

## Mouse CD59 Monoclonal Antibody | anti-CD59 antibody

MOUSE ANTI HUMAN CD59:FITC

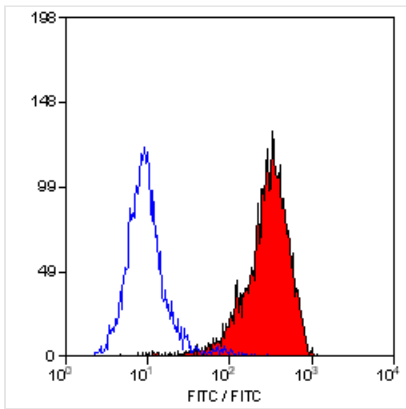
|                              |                      |                                                         |
|------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA12068</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

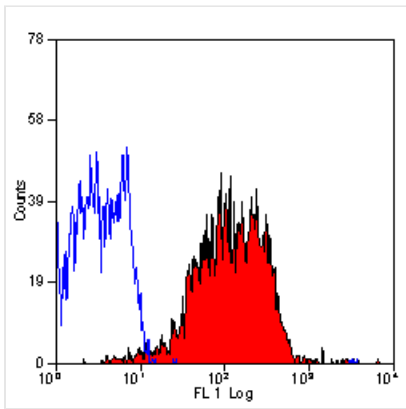
CD59; Monoclonal Antibody; MOUSE ANTI HUMAN CD59:FITC; anti-CD59 antibody

### PRODUCT SPECIFICATIONS

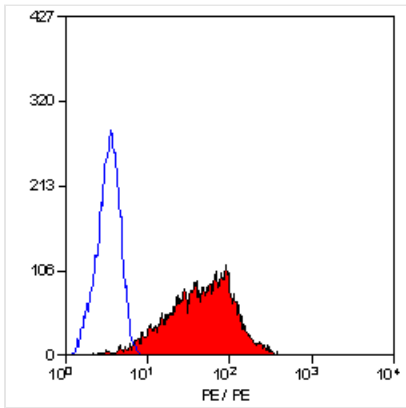
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                                        | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clone Number                                   | MEM-43                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format                                    | FITC<br>Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid                                                                                                                                                                                                                                                                                                                                            |
| Concentration                                  | IgG concentration 0.1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Length                                | 128                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-CD59 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                         |
| Application Notes                              | Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood.<br><b>Flow Cytometry:</b> Maximum Dilution: Neat                                                                                                                                                                                                                                                                              |
| Perservative Stabilisers                       | 0.09% Sodium Azide<br>1% Bovine Serum Albumin<br>Preparation                                                                                                                                                                                                                                                                                                                                                                      |
| Buffer Solution                                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                                                                                         |
| Target Species                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                        | Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |



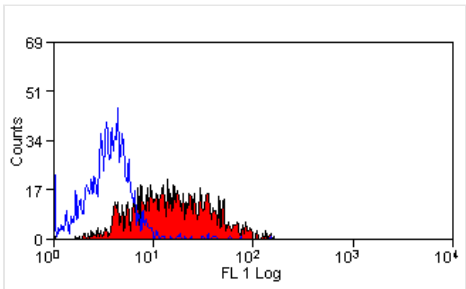
**Application Data**  
Staining of KG1 lymphocytes with Mouse anti Human CD59:FITC



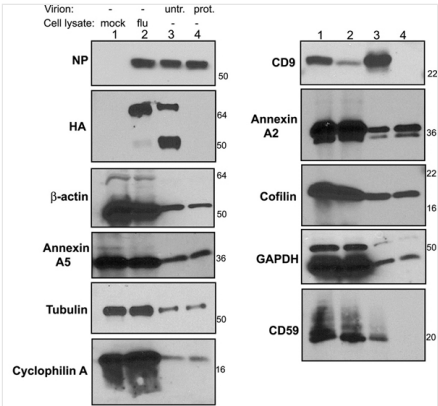
**Application Data**  
Staining of human peripheral blood lymphocytes with Mouse anti Human CD59: Azide Free



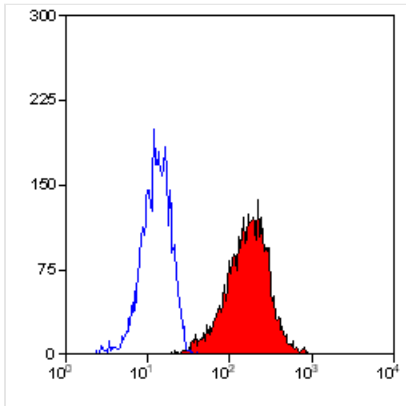
**Application Data**  
Staining of human peripheral blood lymphocytes with Mouse anti Human CD59:RPE



**Application Data**  
Staining of human peripheral blood lymphocytes with Mouse anti Human CD59:Alexa Fluor488



**Application Data**  
Published customer image: The effect of protease treatment on influenza virion associated host proteins. Purified influenza A/WSN/33 virus was either mock treated or subjected to overnight digestion with subtilisin followed by concentration through a sucrose cushion. 10 ug of mock infected cell lysate (lane 1) or influenza infected cell lysate (lane 2) and 2 ug of untreated influenza virions (lane 3) or protease treated influenza virions (lane 4) were then analyzed by western blot with antibodies against the indicated proteins. Numbers to the right are molecular weight markers. From: Shaw ML, Stone KL, Colangelo CM, Gulcicek EE, Palese P (2008) Cellular Proteins in Influenza Virus Particles. PLoS Pathog 4(6): e1000085.



**Application Data**  
Staining of human peripheral blood granulocytes with Mouse anti Human CD59:Alexa Fluor 647

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD59 antibody | Mouse anti Human CD59 antibody, clone MEM-43 reacts with a PI-linked glycoprotein, Mw 18-20kDa found on all types of leucocytes including platelets. The antigen is expressed on many haemapoietic and non-haemapoietic cells. MEM-43 has been shown to stimulate NK activity. CD59 is expressed by erythrocytes and therefore staining in whole blood systems requires a high concentration of antibody. The epitope recognized by Mouse anti Human CD59 antibody, clone MEM-43 is lost after reduction, therefore, non-reducing conditions are required for western blotting techniques. |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 10835165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 966                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_000602.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_000611.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P13987                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Molecular Weight                 | 14,177 Da                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | CD59 glycoprotein preproprotein                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | CD59 molecule, complement regulatory protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | CD59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | 1F5; EJ16; EJ30; EL32; G344; MIN1; MIN2; MIN3; MIRL; HRF20; MACIF; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20                                                                                                                                                                                                                                                                                                                                                                                       |
| NCBI Protein Information         | CD59 glycoprotein; 1F5 antigen; 20 kDa homologous restriction factor; CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344); Ly-6-like protein; MEM43 antigen; T cell-activating protein; human leukocyte antigen MIC11; lymphocytic antigen CD59/MEM43; membrane attack complex (MAC) inhibition factor; membrane attack complex inhibition factor; membrane inhibitor of reactive lysis; protectin; surface anitgen recognized by monoclonal antibody 16.3A5 |
| UniProt Protein Name             | CD59 glycoprotein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Gene Name                | CD59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | MIC11; MIN1; MIN2; MIN3; MSK21; HRF-20; HRF20; MAC-IP; MACIF; MIRL                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt Entry Name               | CD59_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd59-antibody-clone-mem-43-flow-cytometry-elisa/12068>