

## Mouse CD90 Monoclonal Antibody | anti-CD90 antibody

MOUSE ANTI HUMAN CD90:RPE

|                              |                      |                                                         |
|------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA49519</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|---------------------------------------------------------|

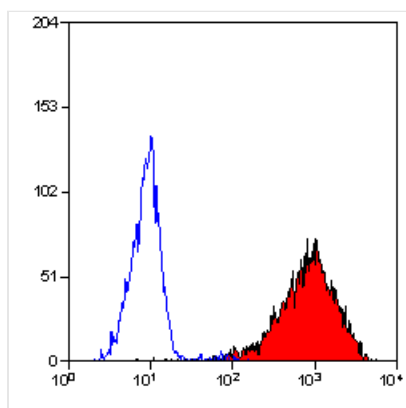
### PRODUCT SYNONYMS

CD90; Monoclonal Antibody; MOUSE ANTI HUMAN CD90:RPE; anti-CD90 antibody

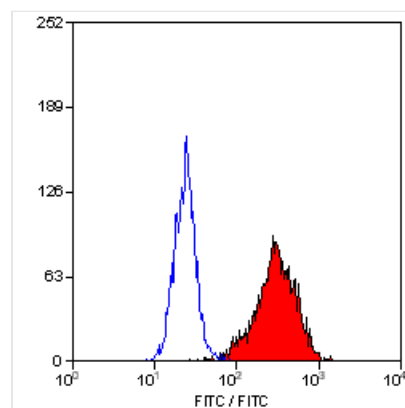
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                               |
| Clone Number                                   | F15-42-1                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                    | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised                                                                                                                                                                                                                                                                                                    |
| Sequence Length                                | 161                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-CD90 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                          |
| Reconstitution                                 | Reconstitute in 1 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AAA Biotech recommends that the vial is gently vortexed after reconstitution and microcentrifuged before use.<br>Perservative Stabilisers                                                                          |
| Buffer Solution                                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                          |
| Target Species                                 | Human                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                        | Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. This product should be stored undiluted. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 12 months from date of reconstitution. |

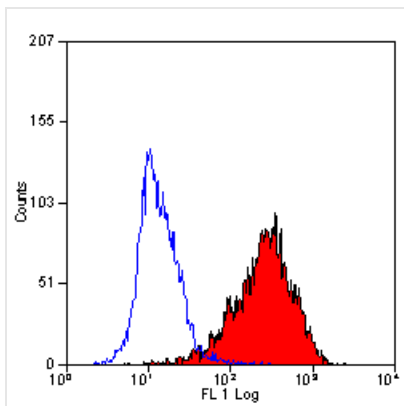
### IMAGES


**Application Data**

Staining of HUT78 T monocytes with Mouse anti Human CD90:Alexa Fluor 647


**Application Data**

Staining of HUT78 T cells with Mouse anti Human CD90:FITC



#### Application Data

Staining of HUT78 cells with Mouse anti Human CD90: RPE

## ADDITIONAL INFORMATION

### Related Product Information for anti-CD90 antibody

Mouse anti Human CD90 antibody, clone F15-42-1 recognizes the human CD90 cell surface antigen, a 25kD glycoprotein homologous to rat Thy1. The antigen is expressed by a subset of CD34+ve cells in the bone marrow and by prothymocytes within the thymus. CD90 is also expressed extensively within the brain. Mouse anti Human CD90 antibody, clone F15-42-1 is routinely tested in flow cytometry on the MOLT4 cell line.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">19923362</a>                                                 |
| NCBI GeneID                      | <a href="#">7070</a>                                                     |
| NCBI Accession #                 | <a href="#">NP_006279.2</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_006288.3</a>                                              |
| UniProt Accession #              | <a href="#">P04216</a> ; <a href="#">Q16008</a> ; <a href="#">Q9NSP1</a> |
| Molecular Weight                 | 17,935 Da                                                                |
| NCBI Official Full Name          | thy-1 membrane glycoprotein preproprotein                                |
| NCBI Official Synonym Full Names | Thy-1 cell surface antigen                                               |
| NCBI Official Symbol             | THY1                                                                     |
| NCBI Official Synonym Symbols    | CD90                                                                     |
| NCBI Protein Information         | thy-1 membrane glycoprotein; CDw90; Thy-1 T-cell antigen; thy-1 antigen  |
| UniProt Protein Name             | Thy-1 membrane glycoprotein                                              |
| UniProt Gene Name                | <b>THY1</b>                                                              |
| UniProt Entry Name               | THY1_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/cd90-antibody-clone-f15-42-1-flow-cytometry-elisa/49519>