

## Mouse anti-Human CD44 Monoclonal Antibody | anti-CD44 antibody

PE/TR Anti-Human CD44 Antibody [P2A1]

|                               |                      |                            |                                                         |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA177999</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|

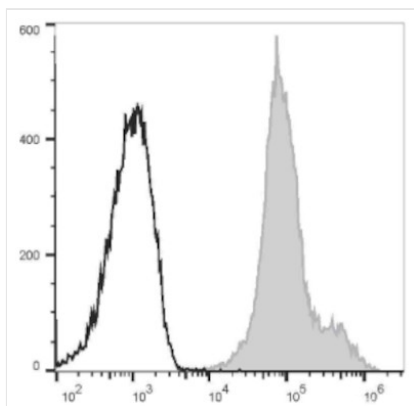
### PRODUCT SYNONYMS

CD44; Monoclonal Antibody; PE/TR Anti-Human CD44 Antibody [P2A1]; CD44 antigen; CDw44; Epican; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I; LHR; MDU2; MDU3; MIC4; anti-CD44 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                        | Mouse IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                   | P2A1                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                    | Liquid; Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-CD44 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                   |
| Conjugation                                    | PE                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended Usage                              | Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 $\mu$ L of antibody per test (million cells in 100 $\mu$ L staining volume or per 100 $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
| Preparation and Storage                        | Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.                                                                                                                                                                                                                                                                                                               |

### IMAGES



#### Application Data

Human peripheral blood lymphocytes are stained with PE 594 Anti-Human CD44 Antibody[P2A1] (filled gray histogram) or PE 594 Mouse IgG2a, kappa Isotype Control (empty black histogram).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD44 antibody | CD44 is a 80-95kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from a low or mid level of intensity to high expression levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammation, and leukocyte aggregation. |
| Product Categories/Family for anti-CD44 antibody   | Flow Cytometry Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 48255935                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 960                                                                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_000601.3                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_000610.3                                                                                                                                                                                                                                                     |
| UniProt Accession #              | P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13                                                                                                                                                                  |
| NCBI Official Full Name          | CD44 antigen isoform 1                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | CD44 molecule (Indian blood group)                                                                                                                                                                                                                              |
| NCBI Official Symbol             | CD44                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III                                                                                                                                                                                   |
| NCBI Protein Information         | CD44 antigen; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; chondroitin sulfate proteoglycan 8; GP90 lymphocyte homing/adhesion rec |
| UniProt Protein Name             | CD44 antigen                                                                                                                                                                                                                                                    |
| UniProt Gene Name                | CD44                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I                                                                                                                                                                                                                   |
| UniProt Entry Name               | CD44_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/cd44-antibody-clone-p2a1-flow-cytometry-elisa/177999>