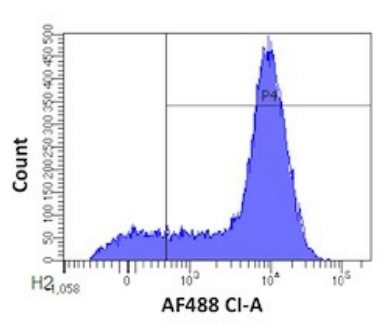
RecomAb™

# CD44 recombinant monoclonal antibody, clone Hermes-1

Catalog # RAB03282 Size 200 ug

## Applications




### Flow Cytometry

Flow cytometric analysis of human activated T lymphocytes with CD44 recombinant monoclonal antibody, clone Hermes-1 (Cat # RAB03282). Human activated T lymphocytes were stained with an isotype control (3.0- panel A) or the rmeric version of RAB03282 (panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing- bound antibody was detected using a AF488 conjugated donkey anti-ribody ( and cells analysed on a FACSCanto flow-cytometer.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human CD44. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against human tonsil lymphocytes. |
| **Reactivity** | Bovine, Goat, Human, Mouse, Primates, Rabbit, Rat, Sheep |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Isotype** | IgG kappa |

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|---|---|
| **Recommend Usage** | Blocking<br>ELISA<br>Flow Cytometry<br>Immunocytochemistry<br>Immunofluorescence<br>Immunohistochemistry<br>Immunoprecipitation<br>Neutralization<br>Western Blot<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.02% Proclin 300) |
| **Storage Instruction** | Store at 4°C for 3 months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry

  Flow cytometric analysis of human activated T lymphocytes with CD44 recombinant monoclonal antibody, clone Hermes-1 (Cat # RAB03282).
  Human activated T lymphocytes were stained with an isotype control (3.0- panel A) or the rmeric version of RAB03282 (panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing- bound antibody was detected using a AF488 conjugated donkey anti-ribody ( and cells analysed on a FACSCanto flow-cytometer.
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot
- Blocking
- Neutralization

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## Gene Info — CD44

| | |
|---|---|
| **Entrez GeneID** | 960 |
| **Gene Name** | CD44 |
| **Gene Alias** | CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1 |
| **Gene Description** | CD44 molecule (Indian blood group) |
| **Omim ID** | 107269 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [provided by RefSeq |
| **Other Designations** | CD44 antigen\|CD44 antigen (homing function and Indian blood group system)\|CDW44 antigen\|GP90 lymphocyte homing/adhesion receptor\|Hermes antigen\|antigen gp90 homing receptor\|cell adhesion molecule\|cell surface glycoprotein CD44\|chondroitin sulfate proteogl |

## Pathway

- ECM-receptor interaction
- Hematopoietic cell lineage

## Disease

- Arthritis
- Breast Neoplasms
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate

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- Craniofacial Abnormalities
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Heart Defects
- Hepatitis B
- Kidney Failure
- Mouth Abnormalities
- Neoplasm Recurrence
- Neoplasms
- Ovarian Neoplasms

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