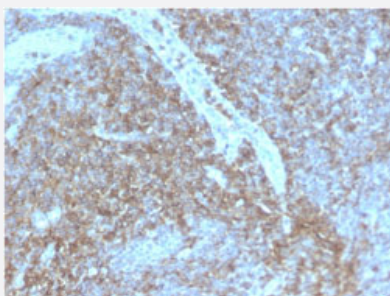


RecomAb™

# CD44 recombinant monoclonal antibody, clone HCAM/2875R

Catalog # RAB00673      Size 100 ug

## Applications



**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)**

Immunohistochemical staining of human lymph node.

## Specification

|                            |                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit recombinant monoclonal antibody raised against human CD44.                                                                                           |
| <b>Antibody Species</b>    | Rabbit                                                                                                                                                      |
| <b>Immunogen</b>           | Stimulated human leukocytes.                                                                                                                                |
| <b>Reactivity</b>          | Human                                                                                                                                                       |
| <b>Form</b>                | Liquid                                                                                                                                                      |
| <b>Purification</b>        | Protein A/G purification                                                                                                                                    |
| <b>Isotype</b>             | IgG                                                                                                                                                         |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In 1 mg/mL PBS                                                                                                                                              |
| <b>Storage Instruction</b> | Store at -20 to -80°C.                                                                                                                                      |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human lymph node.

## Gene Info — CD44

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">960</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession# | <a href="#">P16070</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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            | <a href="#">107269</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 G P90 lymphocyte homing/adhesion receptor Hermes antigen antigen gp90 homing receptor cell adhesion molecule cell surface glycoprotein CD44 chondroitin sulfate proteoglycan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

## Disease

- [Arthritis](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [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](#)