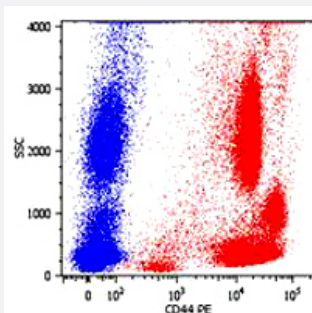


CD44 monoclonal antibody, clone MEM-85

Catalog # MAB0885 Size 100 ug

Applications



Flow Cytometry

Surface staining of human peripheral blood cells with CD44 monoclonal antibody, clone MEM - 85 (Cat # MAB0885) PE.

Specification

Product Description	Mouse monoclonal antibody raised against native CD44.
Immunogen	Native purified CD44 from leukocytes of a patient suffering from a LGL-type leukemia.
Host	Mouse
Theoretical MW (kDa)	80-95
Reactivity	Human
Specificity	This antibody reacts with both cell surface-expressed and soluble form of CD44 antigen (Phagocyte glycoprotein 1), a 80-95 KDa transmembrane glycoprotein (hyaladherin family) present on the most o f cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets a nd hepatocytes.
Form	Liquid
Isotype	IgG2b
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction

Store at 4°C. Do not freeze.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Surface staining of human peripheral blood cells with CD44 monoclonal antibody, clone MEM - 85 (Cat # MAB0885) PE.

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 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](#)