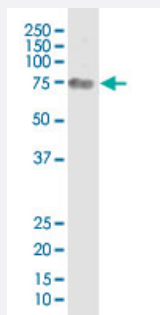


CD44 monoclonal antibody (M18), clone 1F4

Catalog # H00000960-M18

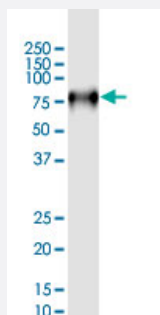
Size 100 ug

Applications



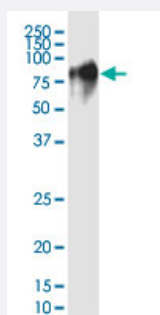
Western Blot (Tissue lysate)

CD44 monoclonal antibody (M18), clone 1F4. Western Blot analysis of CD44 expression in human spleen.



Western Blot (Cell lysate)

CD44 monoclonal antibody (M18), clone 1F4. Western Blot analysis of CD44 expression in HeLa.



Western Blot (Cell lysate)

CD44 monoclonal antibody (M18), clone 1F4. Western Blot analysis of CD44 expression in MDA-MB-231.

Specification

Product Description

Mouse monoclonal antibody raised against human CD44.

Immunogen

A synthetic peptide corresponding to human CD44

Sequence	KGEYRTNPEDIYPSNPTDDDC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (67)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CD44 monoclonal antibody (M18), clone 1F4. Western Blot analysis of CD44 expression in human spleen.

[Protocol Download](#)

- Western Blot (Cell lysate)

CD44 monoclonal antibody (M18), clone 1F4. Western Blot analysis of CD44 expression in HeLa.

[Protocol Download](#)

- Western Blot (Cell lysate)

CD44 monoclonal antibody (M18), clone 1F4. Western Blot analysis of CD44 expression in MDA-MB-231.

[Protocol Download](#)

- ELISA

Gene Info — CD44

Entrez GeneID	960
GeneBank Accession#	NM_000610.3
Protein Accession#	NP_000601.3

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](#)