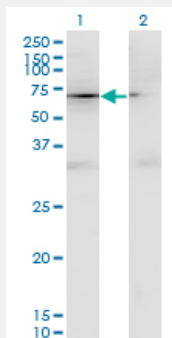


CD44 monoclonal antibody (M13), clone 4D2

Catalog # H00000960-M13

Size 100 ug

Applications

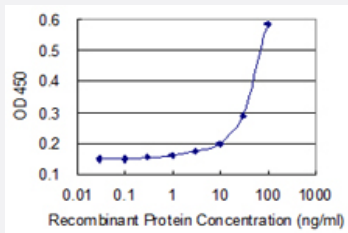


Western Blot (Transfected lysate)

Western Blot analysis of CD44 expression in transfected 293T cell line by CD44 monoclonal antibody (M13), clone 4D2.

Lane 1: CD44 transfected lysate (Predicted MW: 39.4 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD44 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (102.63 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant CD44.

Immunogen	CD44 (AAH04372, 1 a.a. ~ 699 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQ MEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYDYCFNASAPPEEDCTSVT DLPNAFDGPITITIVNRDGRYVQKGEYRTNPEDMPSNPTDDDVSSESSSSERSSTSGGYIFYTFSTV HIPDEDSPWITDSTDRIPATSTSSNTISAGWEPNEENEDERDRHLSFSGSGIDDDDFISSTISTT PRAFDHTKQNQDWTQWNPSHSNPEVLLQTTTRMTDVDRNGTTAYEGNWNPEAHPPLIHHEHHE EEETPHSTSTIQATPSSTTEETATQKEQWFGNRWHEGYRQTPREDSSHSTTGTAASAHTSHPMQ GRTPSPEDSSWTDFFNPISHPMGRGHQAGRRMDMDSSHSTTLQPTANPNTGLVEDLDRTGPL SMTTQQSNSQSFSSTHEGLEEDKDHPPTSTLTSSNRNDVTGGRRDPNHSEGSTTLLEGYTSHP HTKESRTFIPVTSAKTGSFGVTAVTVGDSNSNVNRSLSGDQDTFHPSSGGSHTTHGSESDGHS SQEGGANTTSGPIRTPQIPEWLILASLLALILAVCIAVNSRRRCGQKKKLVINSGNGAVEDRKPS GLNGEASKSQEMVHLVNKESSETPDQFMTADETRNLQNVDKIGV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (55)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (102.63 KDa) .
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 (Transfected lysate)

Western Blot analysis of CD44 expression in transfected 293T cell line by CD44 monoclonal antibody (M13), clone 4D2.

Lane 1: CD44 transfected lysate (Predicted MW: 39.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD44 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CD44

Entrez GeneID	960
GeneBank Accession#	BC004372
Protein Accession#	AAH04372
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](#)