

Datasheet

CD44 monoclonal antibody (M16), clone 4H2

Catalog Number: H00000960-M16

Regulation Status: For research use only (RUO)

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

Clone Name: 4H2

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:

MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVE
KNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFE
TCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQY
DTYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGT
RYVQKGEYRTNPEDIYPSNPTDDDVSSGSSSERSSTS
GGYIFYTFSTVHPIPEDDSPWITDSTDRIPTSTSSNTIS
AGWEPNEENEDERDRHLSFSGSGIDDDDEFISSTISTT
PRAFDHTKQNQDWTQWNPESHNPVLLQTTTRMTDV
DRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTST
IQATPSSTTEETATQKEQWFGNRWHEGYRQTPREDS
HSTTGTAASAHTSHPMQGRTPSPEDSSWTDFFNPI
SHPMGRGHQAGRRMDMDSSHSTTLQPTANPNTGLV
EDLDRGTPLSMTTQQSNSQSFSSTHEGLEEDKDHPTT
STLTSSNRNDVTGGRRDPNHSEGSTTLLEGYTSHYPH
TKESRTFIPVTSAKTGSFGVTAVTVGDSNSNVNRSLSG
DQDTHFSPSGSHTTHGSESDGHSQEGGANTTS
GPIRTPQIPEWLILASLLALILAVCIAVNSRRRCGQK
KKLVINSNGAVEDRKPSGLNGEASKSQEMVHLVNKE
SSETPDQFMTADETRNLQNVDMKIGV

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 960

Gene Symbol: CD44

Gene Alias: CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1

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]