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# Datasheet

## CD44 monoclonal antibody (M04), clone 1G4

**Catalog Number:** H00000960-M04

**Regulation Status:** For research use only (RUO)

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

**Clone Name:** 1G4

**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
GGYIFYTFSTVHPIPDEDSPWITDSTDRIPATSTSSNTIS
AGWEPNEENEDERDRHLSFSGSGIDDDEDFISSTISTT
PRAFDHTKQNQDWTQWNPSHSNPEVLLQTTTRMTDV
DRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTST
IQATPSSTTEETATQKEQWFGNRWHEGYRQTPREDS
HSTTGTAAASAHTSHPMQGRTTPSPEDSSWTDFFNPI
SHPMGRGHQAGRRMDMDSSHSTTLQPTANPNTGLV
EDLDRTGPLSMTTQQSNSQSFSTSHEGLEEDKDHPTT
STLTSSNRNDVTGGRRDPNHSEGSTTLLEGYTSHYPH
TKESRTFIPVTSAKTGSFGVTAVTVGDSNSNVNRSLSG
DQDTFHPSGGSHTTHGSESDGHSHGSQEGGANTTS
GPIRTPQIPEWLIILASLLALALILAVCIAVNSRRRCGQK
KKLVINSGNGAVEDRKPSGLNGEASKSQEMVHLVNKE
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]