

B-lymphocyte antigen CD20(MS4A1)-Detergent Recombinant Protein | MS4A1 recombinant protein

Recombinant Human B-lymphocyte antigen CD20(MS4A1)-Detergent (Active)

CATALOG # AAA279396	HOST Mammalian cell
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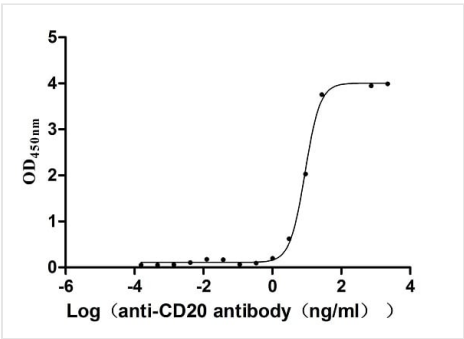
PRODUCT SYNONYMS

B-lymphocyte antigen CD20(MS4A1)-Detergent; Recombinant Human B-lymphocyte antigen CD20(MS4A1)-Detergent (Active); (B-lymphocyte surface antigen B1)(Bp35)(Leukocyte surface antigen Leu-16)(Membrane-spanning 4-domains subfamily A member 1)(CD20); MS4A1 recombinant protein

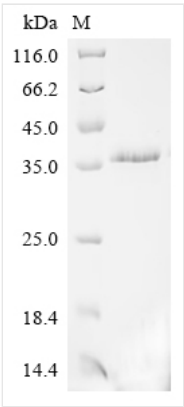
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Liquid. 50 mM HEPES, 0.15 M NaCl, 0.05% DDM, 0.01% CHS, pH7.5
Sequence	MTTPRNSVNG TFPAEPMKGP IAMQSGPKPL FRMSSLVGP TQSFFMRESK TLGAVQIMNG LFHIALGGLL MIPAGIYAPI CVTVWYPLWG GIMYIISGSL LAATEKNSRK CLVKGKMIMN SLSLFAAISG MILSIMDILN IKISHFLKME SLNFIRAHTP YINIYNCEPA NPSEKNSPST QYCYSIQSLF LGILSVMLIF AFFQELVIAG IVENEWKRTC SRPKSNIVLL SAEKKEQTI EIKEEVVGLT ETSSQPKNEE DIEIPIQEE EEEETETNFP EPPQDQESSP IENDSSP
Sequence Length	1-297aa; Full Length
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Transmembrane Domain	4TM
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD20 at 2ug/mL on an Nickel Coated plate can bind Anti-CD20 recombinant antibody , the EC50 is 4.034-6.968ng/mL.Measured by its binding ability in a functional ELISA. Immobilized Human CD20 at 2ug/mL on an Nickel Coated plate can bind Anti-CD20 recombinant antibody , the EC50 is 8.137-9.704ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

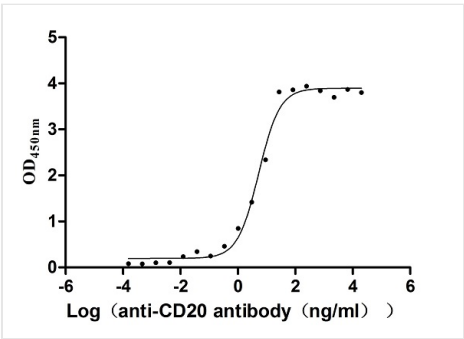
IMAGES



Bioactivity



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Bioactivity

ADDITIONAL INFORMATION

Related Product Information for MS4A1 recombinant protein	B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:3925015, PubMed:7684739, PubMed:12920111).Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:7684739, PubMed:12920111, PubMed:18474602).
Product Categories/Family for MS4A1 recombinant protein	Cancer
References	"CD20 homo-oligomers physically associate with the B cell antigen receptor. Dissociation upon receptor engagement and recruitment of phosphoproteins and calmodulin-binding proteins."Polyak M.J., Li H., Shariat N., Deans J.P.J. Biol. Chem. 283:18545-18552(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115968
NCBI GeneID	931
UniProt Accession #	P11836; P08984; Q13963; A6NMS4; B4DT24
Molecular Weight	297
NCBI Official Full Name	B-lymphocyte antigen CD20
NCBI Official Synonym Full Names	membrane-spanning 4-domains, subfamily A, member 1
NCBI Official Symbol	MS4A1
NCBI Official Synonym Symbols	B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16

NCBI Protein Information	B-lymphocyte antigen CD20; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1
UniProt Protein Name	B-lymphocyte antigen CD20
UniProt Gene Name	MS4A1
UniProt Synonym Gene Names	CD20
UniProt Entry Name	CD20_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ms4a1-recombinant-protein-mammalian-cell/279396>