

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

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

CATALOG #
AAA279270

HOST
Mammalian cell

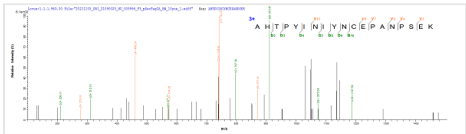
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

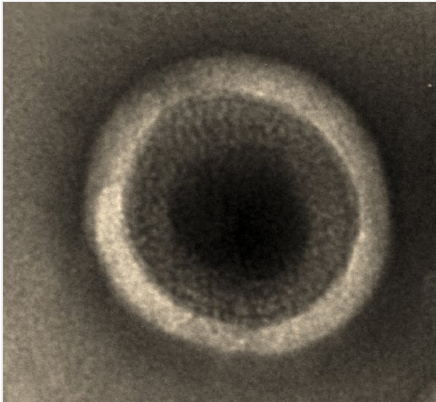
Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-297aa; Full Length
Sequence	MTTPRNSVNG TFPAEPMKGP IAMQSGPKPL FRRMSSLVGP TQSFFMRESK TLGAVQIMNG LFHIALGGLL MIPAGIYAPI CVTVWYPLWG GIMYIISGSL LAATEKNSRK CLVKGKMIMN SLSLFAAISG MILSIMDILN IKISHFLKME SLNFIRAHTP YINIYNCEPA NPSEKNPST QYCYSIQSLF LGILSVMLIF AFFQELVIAG IVENEWKRTC SRPKSNIVLL SAEKKEQTI EIKEEVVGLT ETSSQPKNEE DIEIPIQEE EEEETETNFP EPPQDQESSP IENDSSP
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	Cancer Less than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	4TM
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human CD20 at 2 ug/mL can bind Anti-CD20 recombinant antibody, the EC50 is 3.243-7.085 ng/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. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

IMAGES



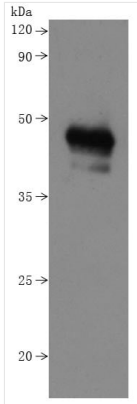
Application Data

Based on the SEQUEST from database of Mammalian Cell host and target protein, the LC-MS/MS Analysis result of could indicate that this peptide derived from Mammalian Cell-expressed Homo sapiens (Human) CD20.



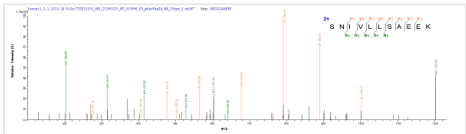
Application Data

The presence of VLP-like structures was confirmed by TEM



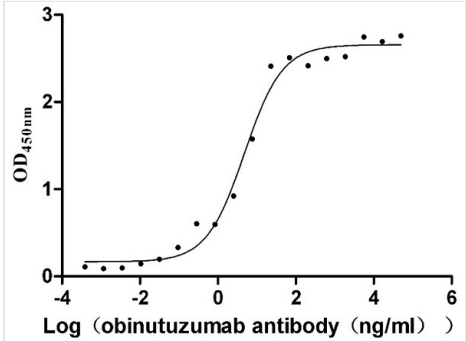
WB (Western Blot)

Western Blotis detected by Mouse anti-6*His monoclonal antibody.



Application Data

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Bioactivity

ActivityMeasured by its binding ability in a functional ELISA. Immobilized human CD20 at 2 ug/ml can bind Anti-CD20 recombinant antibody , the EC50 is 3.243-7.085 ng/mL.

ADDITIONAL INFORMATION

Product Categories/Family for MS4A1 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ms4a1-recombinant-protein-mammalian-cell/279270>