CD226 Antigen (CD226) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD226 antigen (Cd226), Recombinant Protein
Full Product Name	Recombinant Mouse CD226 antigen (Cd226), partial
Product Gene Name	Cd226 recombinant protein
Product Synonym Gene Name	Cd226
Sequence	EE TLWDTTVRLS ETMTLECVYP LTHNLTQVEW TKNTGTKTVS IAVYNPNHNM HIESNYLHRV HFLNSTVGFR NMSLSFYNAS EADIGIYSCL FHAFPNGPWE KKIKVVWSDS FEIAAPSDSY LSAEPGQDVT LTCQLPRTWP VQQVIWEKVQ PHQVDILASC NLSQETRYTS KYLRQTRSNC SQGSMKSILI IPNAMAADSG LYRCRSEAIT GKNKSFVIRL IITDGGTNKH FILP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	38,063 Da
Sequence Positions	19-254
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8K4F0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cd226 recombinant protein	This gene encodes a glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. The protein mediates cellular adhesion of platelets and megakaryocytic cells to vascular endothelial cells. The protein also plays a role in megakaryocytic cell maturation.
Other Notes	Small volumes of Cd226 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Cd226 purchase	MBS1425468 is a recombinant protein targeting Cd226. Also known as Recombinant Mouse CD226 antigen (Cd226), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cd226. It may not necessarily be applicable to this product.

NCBI GI #	85540456
NCBI GeneID	225825
NCBI Accession #	NP_848802.2

UniProt Primary Accession #	Q8K4F0
UniProt Related Accession #	Q8K4F0
GenBank Nucleotide #	NM_178687.2
NCBI Official Full Name	CD226 antigen isoform a
NCBI Official Synonym Full Names	CD226 antigen
NCBI Official Symbol	Cd226
NCBI Official Synonym Symbols	Pta1; DNAM1; DNAM-1; TLiSA1; BC051526
UniProt Protein Name	CD226 antigen
UniProt Synonym Protein Names	Platelet and T-cell activation antigen 1; CD_antigen: CD226
Protein Family	CD226 antigen
UniProt Gene Name	Cd226
UniProt Synonym Gene Names	Pta1
NCBI Protein Information	CD226 antigen
UniProt Comments for Cd226	Involved in intercellular adhesion, lymphocyte signaling, cytotoxicity and lymphokine secretion mediated by cytotoxic T-lymphocyte (CTL) and NK cell. Cell surface receptor for NECTIN2. Upon ligand binding, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Competes with PVRIG for NECTIN2-binding.
Research Articles on Cd226	**1.** Results indicate that low-grade inflammation coupled with elevated blood glucose increases CD226 expression, resulting in decreased endothelial cell glucose uptake in T2DM.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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