Datasheet for ABIN1096299

CD177 Protein (AA 22-407) (His tag)

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Overview

Quantity:	50 µg
Target:	CD177
Protein Characteristics:	AA 22-407
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD177 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PRV1/CD177(C-6His)
Sequence:	LLCQFGTVQH VWKVSDLPRQ WTPKNTSCDS GLGCQDTLML IESGPQVSLV LSKGCTEAKD QEPRVTEHRM GPGLSLISYT FVCRQEDFCN NLVNSLPLWA PQPPADPGSL RCPVCLSMEG CLEGTTEEIC PKGTTHCYDG LLRLRGGGIF SNLRVQGCMP QPGCNLLNGT QEIGPVGMTE NCNRKDFLTC HRGTTIMTHG NLAQEPTDWT TSNTEMCEVG QVCQETLLLL DVGLTSTLVG TKGCSTVGAQ NSQKTTIHSA PPGVLVASYT HFCSSDLCNS ASSSSVLLNS LPPQAAPVPG DRQCPTCVQP LGTCSSGSPR MTCPRGTTHC YDGYIHLSGG GLSTKMSIQG CVAQPSSFLL NHTRQIGIFS AREKRDVQPP ASQHEGVDHH HHHH
Characteristics:	Recombinant Human CD177 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Leu22-Gly407) of Human CD177 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CD177
Alternative Name:	cd177 (CD177 Products)
Sub Type:	Fusionprotein
Background:	CD177 is polymorphic and has at least two alleles: PRV1 and NB1. Human PRV1 is a Glycosyl-Phosphatidylinositol (GPI)-linked cell surface glycoprotein that belongs to the uPAR/CD59/Ly6 family of receptors. PRV1 is expressed by neutrophils and neutrophil precursors,and changes in expression serve as diagnostic markers for myeloproliferative disorders such as polycythemia vera and essential thrombocythemia. PRV1 may also be expressed by Erythroblasts, B cells, and Monocytes. NB1, a Glycosyl-Phosphatidylinositol (GPI)-linked cell surface glycoprotein, was first described in a case of neonatal alloimmune neutropenia. It is reported that CD177 functions as a novel heterophilic binding partner that engages PECAM-1 in membrane-proximal IgD6. Alternative Names: CD177 Antigen, Human Neutrophil Alloantigen 2a, HNA-2a, NB1 Glycoprotein, NB1 GP, Polycythemia Rubra Vera Protein 1, PRV-1, CD177, NB1, PRV1
Molecular Weight:	42.33 kDa
UniProt:	Q8N6Q3

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months