

Recombinant Human CD177 Protein, His-tagged

Cat. No. CD177-126H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD177 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	437
Description	<p>This gene encodes a glycosyl-phosphatidylinositol (GPI)-linked cell surface glycoprotein that plays a role in neutrophil activation. The protein can bind platelet endothelial cell adhesion molecule-1 and function in neutrophil transmigration. Mutations in this gene are associated with myeloproliferative diseases. Over-expression of this gene has been found in patients with polycythemia rubra vera. Autoantibodies against the protein may result in pulmonary transfusion reactions, and it may be involved in Wegener's granulomatosis. A related pseudogene, which is adjacent to this gene on chromosome 19, has been identified.</p>
Form	Lyophilized
Molecular Mass	42 kDa
AA Sequence	<p>MSAVLLLALLGFILPLPGVQALLCQFGTVQHVVWKVSDLPRQWTPKNTSCDSGLGCQ DTLMLIESGPQVSLVLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNL VNSLPLWAPQPPADPGSLRCPVCLSMEGCLEGTTTEEICPKGTTHCYDGLLRG IFSNLRVQGCMPPQGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ</p>

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EPTDWTTSNTEMCEVGQVCQETLLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIHSA
 PPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS
 GSPRMTCPRGATHCYDGYIHLGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE
 KRDRVQPPASQHEGGGAEGLESLTWGVGLALAPALWWGVVCPSC

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CD177 CD177 molecule [Homo sapiens (human)]
Official Symbol	CD177
Synonyms	CD177; CD177 molecule; CD177 antigen; HNA2A; NB1; polycythemia rubra vera 1;



PRV1; NB1 glycoprotein; cell surface receptor; human neutrophil alloantigen 2a; polycythemia rubra vera protein 1; PRV-1; HNA-2a; NB1 GP;

Gene ID 57126

mRNA Refseq NM_020406

Protein Refseq NP_065139

MIM 162860

UniProt ID Q8N6Q3

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