

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	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.
Form	Lyophilized
Molecular Mass	42 kDa
AA Sequence	MSAVLLLALLGFILPLPGVQALLCQFGTVQHVKVSDLPQWTPKNTSCDSGLGCQ DTLMLIESGPQVSLVLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNL VNSLPLWAPQPPADPGSLRCPVCLSMEGCLEGTTEEICPKGTTHCYDGLLRRLRGGG IFSNLRVQGCMPQPGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ

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EPTDWTTSENTEMCEVGQVCQETLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIHSA
PPGVLVASYTHFCSSDLNCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS
GSPRMTCPRGATHCYDGYIHLGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE
KRDVQPPASQHEGGGAEGLES LTWGVGLALAPALWWGVVCPSC

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;

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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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