

Recombinant Human CD177 Protein, DYKDDDDK-tagged

Cat. No. CD177-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD177 molecule(CD177)(NM_020406), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
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	Purified protein formulated in a sterile solution of TBS buffer, pH7.239, without any preservatives.
Molecular Mass	46.2 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name [CD177 CD177 molecule \[Homo sapiens \]](#)

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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