

Anti-Hu CD177 Purified Monoclonal Antibody

Catalog Number: M03958

About CD177

CD177 (NB1/HNA-2a and PRV-1 form) is a GPI-anchored glycoprotein present mainly on neutrophils. Its plasma membrane expression is increased during pregnancy and inflammation or after G-CSF application. Ligand of CD177 has been identified as CD31 (PECAM-1). CD177 participates in neutrophil transmigration and seems to be also a pro-proliferative molecule. The antibodies against CD177 can be involved in neonatal alloimmune neutropenia (NAN).

Overview

Product Name	Anti-Hu CD177 Purified Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD177 Purified Monoclonal Antibody (Catalog# M03958). Tested in Flow Cytometry, IP, WB application(s). This antibody reacts with Primate, Human.
Application	Flow Cytometry, IP, WB
Clonality	Monoclonal MEM-166
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q8N6Q3

Technical Details

Immunogen	Human granulocytes. The antibody MEM-166 reacts with CD177 (Neutrophil specific antigen 1), a 60 kDa GPI-linked cell surface glycoprotein of uPAR family, expressed on granulocytes and in bone marrow early erythroblasts, megakaryocytes, promyelocytes and myelocytes.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 1 ug/ml.

Western blotting: Non-reducing conditions.

Anti-Hu CD177 Purified Monoclonal Antibody (M03958) Images

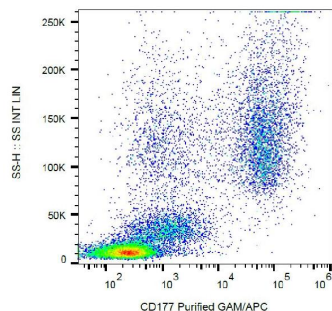


Figure 1. Flow Cytometry validation of CD177 using Anti-Hu CD177 Purified Monoclonal Antibody (M03958).

Flow cytometry (surface staining) of human peripheral blood cells with anti-CD177 (MEM-166) purified

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