

PE Rabbit anti-Human CD177 mAb

Catalog No.: A26896

Basic Information

Observed MW

Calculated MW

15kDa/27kDa/46kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC62693-PE

Conjugate

PE. Ex:565nm. Em:574nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l volume

Background

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.

Immunogen Information

Gene ID

57126

Swiss Prot

Q8N6Q3

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-407 of human CD177(NP_065139.2).

Synonyms

NB1; PRV1; HNA2A; PRV-1; HNA-2a; NB1 GP

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

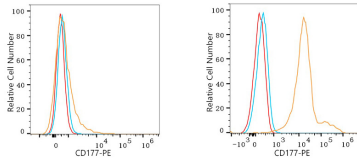
Affinity purification

Storage

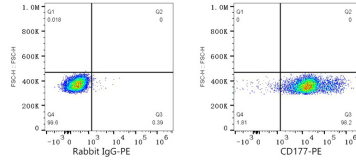
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

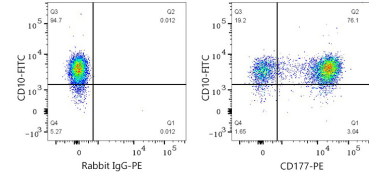
Validation Data



Flow cytometry: 1×10^6 T-47D cells (negative control, left) and RPMI-8226 cells (right) were surface-stained with PE Rabbit anti-Human CD177 mAb (A26896, $5 \mu\text{l}/\text{Test}$, orange line) or PE Rabbit IgG isotype control (A24172, $5 \mu\text{l}/\text{Test}$, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 RPMI-8226 cells were surface-stained with PE Rabbit IgG isotype control (A24172, $5 \mu\text{l}/\text{Test}$, left) or PE Rabbit anti-Human CD177 mAb (A26896, $5 \mu\text{l}/\text{Test}$, right).



Flow cytometry: 1×10^6 Human peripheral blood granulocytes were surface-stained with FITC Rabbit anti-Human CD10 mAb (A26865, $5 \mu\text{l}/\text{Test}$) and PE Rabbit IgG isotype control (A24172, $5 \mu\text{l}/\text{Test}$, left) or PE Rabbit anti-Human CD177 mAb (A26896, $5 \mu\text{l}/\text{Test}$, right). Cells in the lymphocytes gate were used for analysis.