

ABflo® 488 Rabbit anti-Human CD140b/PDGFRβ mAb

Catalog No.: A24222

Basic Information

Observed MW

Refer to figures

Calculated MW

37kDa/123kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC59957

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Background

This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.

Recommended Dilutions

FC

5 μl per 10^6 cells in 100 μl volume

Immunogen Information

Gene ID 5159 **Swiss Prot**

P09619

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

PDGFRB; CD140B; IBGC4; IMF1; JTK12; KOGS; PDGFR; PDGFR-1; PDGFR1; PENTT; platelet-derived growth factor receptor beta

Contact

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Product Information

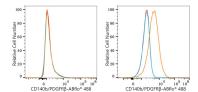
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

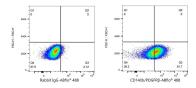
Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data





Flow cytometry: 1X10^6 MCF7 cells (negative control,left) and U-87MG cells (right) swere surface-stained with ABflo® 488 Rabbit anti-Human CD140b/PDGFRβ mAb(A24222,5 μl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 μl/Test,blue line).Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:1X10^6 U-87MG were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 μ I/Test,left) or ABflo® 488 Rabbit anti-Human CD140b/PDGFR β mAb(A24222,5 μ I/Test,right).