

# 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-ABf488

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## 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.

## Immunogen Information

### Gene ID

5159

### Swiss Prot

P09619

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 33-530 of human CD140b/PDGFRB(NP\_002600.1).

### 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

Rabbit

### Isotype

IgG

### Purification

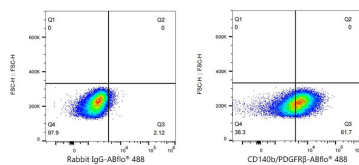
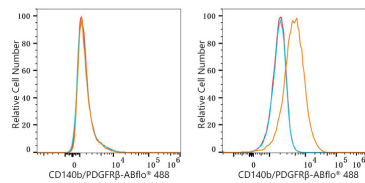
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  MCF7 cells (negative control, left) and U-87MG cells (right) were 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:  $1 \times 10^6$  U-87MG were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μl/Test, left) or ABflo® 488 Rabbit anti-Human CD140b/PDGFRβ mAb (A24222, 5 μl/Test, right).