

# ABflo® 488 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb

**Catalog No.: A22689**

## Basic Information

**Observed MW**

Refer to figures

**Calculated MW**

24kDa/82kDa/123kDa

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Human, Mouse

**CloneNo number**

ARC56217-ABf488

**Conjugate**

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

**FC** 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l 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. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.

## Immunogen Information

**Gene ID**

5156

**Swiss Prot**

P16234

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 24-524 of human PDGFR $\alpha$  (NP\_006197.1).

**Synonyms**

CD140A; PDGFR2; PDGFR-2

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

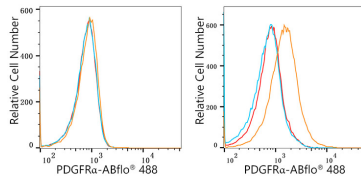
Affinity purification

**Storage**

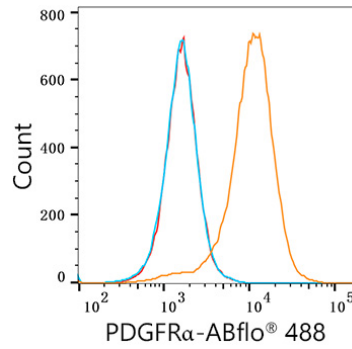
Store at 2-8°C. Avoid freeze.

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

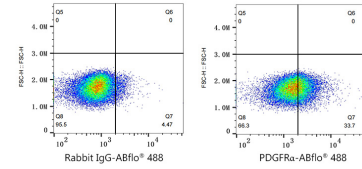
## Validation Data



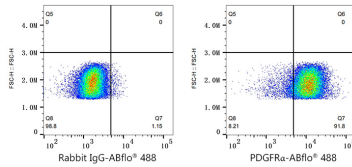
Flow cytometry:  $1 \times 10^6$  HeLa cells (negative control, Left) and U-138 MG cells (Right) were surface-stained with ABflo® 488 Rabbit anti-Mouse PDGFR $\alpha$ /CD140a mAb (A22689,5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells were surface-stained with ABflo® 488 Rabbit anti-Mouse PDGFR $\alpha$ /CD140a mAb (A22689,5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5  $\mu$ l/Test, blue line). Non-fluorescently stained NIH/3T3 cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  U-138 MG cells were surface-stained with ABflo™ 488 Rabbit IgG isotype control (A22069,5  $\mu$ l/Test, left) or ABflo™ 488 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A22689,5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Mouse PDGFR $\alpha$ /CD140a mAb (A22689,5  $\mu$ l/Test, right).