

# ABflo® 647 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb

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Catalog No.: A22690

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

24kDa/82kDa/123kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC56217-ABf647

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## 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

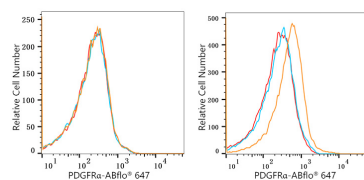
Affinity purification

### Storage

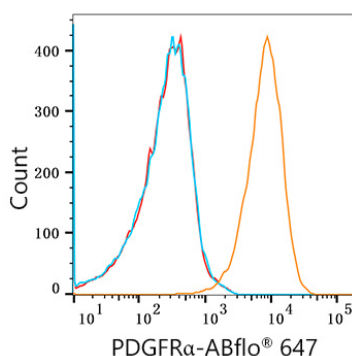
Store at 2-8°C. Avoid freeze.

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

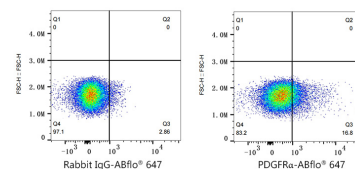
## Validation Data



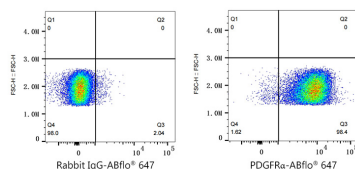
Flow cytometry:  $1 \times 10^6$  HeLa cells (negative control, Left) and U-138 MG cells (Right) were surface-stained with ABflo® 647 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A22690, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). 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® 647 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A22690, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently stained NIH/3T3 cells was used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  U-138 MG cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A22690, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A22690, 5  $\mu$ l/Test, right).