

# ABflo® 594 Rabbit anti-Human/Mouse CD140a/PDGFRα mAb

Catalog No.: A24332 **1 Publications**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

24kDa/82kDa/122kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC56217

### Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

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

### Synonyms

PDGFRA; CD140A; PDGFR-2; PDGFR2; GAS9; RHEPDGFRA; platelet-derived growth factor receptor alpha

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

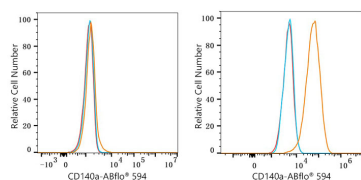
Affinity purification

### Storage

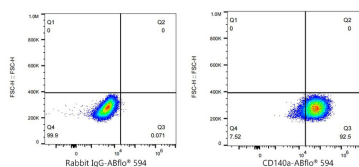
Store at 2-8°C. Avoid freeze.

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

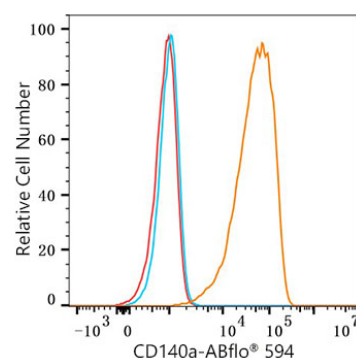
## Validation Data



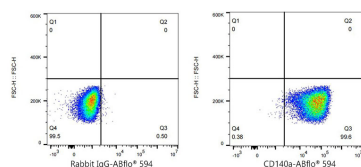
Flow cytometry:  $1 \times 10^6$  HeLa cells (negative control, left) and U-138MG cells (right) were surface-stained with ABflo® 594 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A24332, 5  $\mu$ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  U-138MG cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, left) or ABflo® 594 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A24332, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells were surface-stained with ABflo® 594 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (A24332, 5  $\mu$ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, blue line). Non-fluorescently stained NIH/3T3 cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, left) or ABflo® 594 Rabbit anti-Human/Mouse PDGFR $\alpha$ /CD140a mAb (ARC56217-02-ABf594, 5  $\mu$ l/Test, right).