Leader in Biomolecular Solutions for Life Science

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# PE-CF594 Rabbit anti-Human/Mouse CD140a/PDGFRα mAb

**Catalog No.: A27802**

## Basic Information

**Observed MW**

**Calculated MW**
123kDa

**Category**
Primary antibody

**Applications**
FC

**Cross-Reactivity**
Human, Mouse

**CloneNo number**
ARC56217

**Conjugate**
PE-CF594. Ex:566nm. Em:615nm.

## 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.

## Recommended Dilutions

| | |
|---|---|
| **FC** | 5 µl per 10^6 cells in 100 µl volume |

## Immunogen Information

**Gene ID**
5156

**Swiss Prot**
P16234

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

**Synonyms**
CD140A; PDGFR2; PDGFR-2

## Contact


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## Product Information

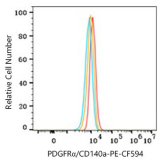
**Source**
Rabbit

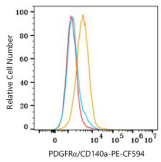
**Isotype**
IgG

**Purification**
Affinity purification

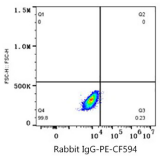
**Storage**
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

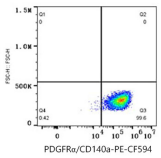
## Validation Data




Flow cytometry: 1X10^6 HeLa cells (negative control,left) and U-138 MG cells (right) were surface-stained with PE-CF594 Rabbit anti-Human/Mouse PDGFRα/CD140a mAb (A27802,5 µl/Test,orange line) or PE-CF594 Rabbit IgG isotype control (5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).




Flow cytometry: 1X10^6 NIH/3T3 cells were surface-stained with PE-CF594 Rabbit IgG isotype control (5 µl/Test,left) or PE-CF594 Rabbit anti-Human/Mouse PDGFRα/CD140a mAb (A27802,5 µl/Test,right).