

PE-CF594 Rabbit anti-Human/Mouse PDGFR α /CD140a 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 μ l per 10^6 cells in
100 μ l volume

Immunogen Information

Gene ID 5156	Swiss Prot P16234
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Immunogen

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

Synonyms

CD140A; PDGFR2; PDGFR-2

Contact

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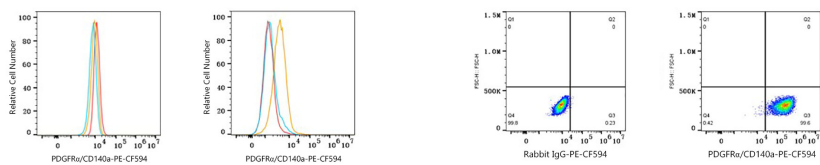
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

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

Validation Data



Flow cytometry: 1X10⁶ 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: 1X10⁶ 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).