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ABflo® 488 Rabbit anti-Human/Mouse CD140a/PDGFRα 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

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

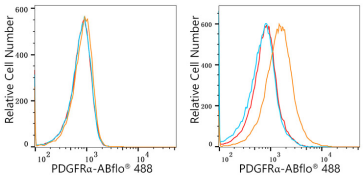
Source
Rabbit

Isotype
IgG

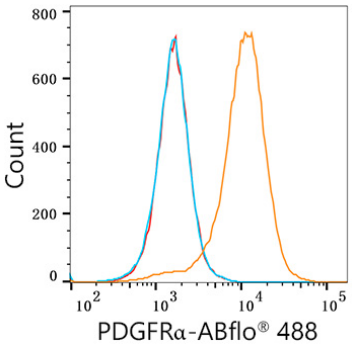
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

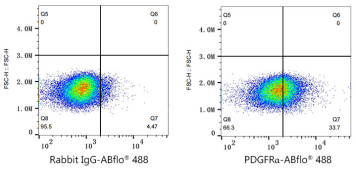
Validation Data



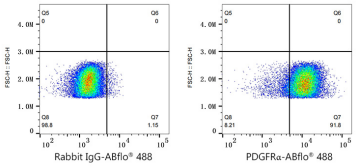
Flow cytometry:1X10^6 HeLa cells (negative control,Left) and U-138 MG cells (Right) were surface-stained with ABflo® 488 Rabbit anti-Mouse PDGFRα/CD140a mAb (A22689,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 NIH/3T3 cells were surface-stained with ABflo® 488 Rabbit anti-Mouse PDGFRα/CD140a mAb (A22689,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line).Non-fluorescently stained NIH/3T3 cells were used as blank control (red line).



Flow cytometry:1X10^6 U-138 MG cells were surface-stained with ABflo™ 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo™ 488 Rabbit anti-Human/Mouse PDGFRα/CD140a mAb (A22689,5 µl/Test,right).



Flow cytometry:1X10^6 NIH/3T3 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Mouse PDGFRα/CD140a mAb (A22689,5 µl/Test,right).