

## Anti-PDGFR $\alpha$ Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A00366-Fluoro594

### About PDGFR $\alpha$

PDGFR $\alpha$  (Platelet-derived growth factor receptor,  $\alpha$ ), also called PDGFR2, encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. The PDGFR $\alpha$  gene is mapped on 4q12. The PDGFR $\alpha$ -FIP1L1 gene is a constitutively activated tyrosine kinase that transforms hematopoietic cells and is a therapeutic target of imatinib. The PDGFR $\alpha$  gene contains 23 exons spanning about 65 kb. Using the human PDGFR $\alpha$  promoter linked to a luciferase reporter, Joosten et al. showed that PAX1 acts as a transcriptional activator of the PDGFR $\alpha$  gene in differentiated human embryonal carcinoma cells. PDGFR $\alpha$  is responsible for mediating cellular contraction of multiple growth factors: TGF $\beta$ 1 and members of the PDGF family. Lei et al. noted that in the rabbit model of the disease, PDGFR $\alpha$  is dramatically more capable of promoting PVR than is the closely related PDGFR $\beta$ . PDGFR $\alpha$  is a critical receptor required for human CMV infection, and thus a target for novel antiviral therapies.

### Overview

Product Name	Anti-PDGFR $\alpha$ Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P16234

### Technical Details

Immunogen	E.coli-derived human PDGFR $\alpha$ recombinant protein (Position: Q24-E906).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-PDGFR $\alpha$  Antibody - Fluoro594

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