

Anti-PDGFR α Antibody Picoband[®] FITC Conjugated

Catalog Number: A00366-FITC

About PDGFR α

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

Overview

Product Name	Anti-PDGFR α Antibody Picoband [®] FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ 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 α 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	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-PDGFR α Antibody - FITC

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