

Anti-Integrin alpha 5/ITGA5 Antibody Picoband® Cy3 Conjugated

Catalog Number: A01911-Cy3

About ITGA5

Integrin alpha-5, also known as FNRA or VLA5A, is a protein that in humans is encoded by the ITGA5 gene. The product of this gene belongs to the integrin alpha chain family. Integrins are integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.

Overview

Product Name	Anti-Integrin alpha 5/ITGA5 Antibody Picoband® Cy3 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IHC, 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 .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08648

Technical Details

Immunogen	E. coli-derived human Integrin alpha 5 recombinant protein (Position: F42-A263).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

5 Publications Citing This Product

1. PubMed ID: 10.1016/j.ijcard.2013.01.239, Calreticulin overexpression correlates with integrin-alpha5 and transforming growth factor-beta1 expression in the atria of patients with rheumatic valvular disease and atrial fibrillation
2. PubMed ID: 19918321, Characterization of Rat Hair Follicle Stem Cells Selected by Vario Magnetic Activated Cell Sorting System
3. PubMed ID: 26680220, Silencing of Paternally Expressed Gene 10 Inhibits Trophoblast Proliferation and Invasion

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