

Anti-Gdf15 Antibody Picoband® FITC Conjugated

Catalog Number: A01583-5-FITC

About Gdf15

Growth/differentiation factor 15 is a protein that in humans is encoded by the GDF15 gene. This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The protein is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is involved in the stress response program of cells after cellular injury. Increased protein levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress. Mice lacking a functional copy of this gene exhibit progressive loss of motor neurons, and more rapid blood clot formation.

Overview

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| Product Name | Anti-Gdf15 Antibody Picoband® FITC Conjugated |
| Reactive Species | Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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% NaN 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 | Q9Z0J7 |

Technical Details

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| Immunogen | E.coli-derived mouse Gdf15 recombinant protein (Position: S189-A302). Mouse Gdf15 shares 69.1% and 96.5% amino acid (aa) sequence identity with human and rat Gdf15, respectively. |
| 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-Gdf15 Antibody - FITC

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