

Anti-FGF23 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9868-Cy3

About Fgf23

Fibroblast growth factor 23 or FGF23 is a protein that in humans is encoded by the FGF23 gene. This gene encodes a member of the fibroblast growth factor family of proteins, which possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. The product of this gene regulates phosphate homeostasis and transport in the kidney. The full-length, functional protein may be deactivated via cleavage into N-terminal and C-terminal chains. Mutation of this cleavage site causes autosomal dominant hypophosphatemic rickets (ADHR). Mutations in this gene are also associated with hyperphosphatemic familial tumoral calcinosis (HFTC).

Overview

Product Name	Anti-FGF23 Antibody Picoband® Cy3 Conjugated
Reactive Species	Mouse
Application	Flow Cytometry
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	Q9EPC2

Technical Details

Immunogen	E. coli-derived mouse FGF23 recombinant protein (Position: R48-V251). Mouse FGF23 shares 71.1% and 94.6% amino acid (aa) sequence identity with human and rat FGF23, respectively.
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	Flow Cytometry, Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 29399058, Ji KB, Ling L, Zhang Q, Chou JJ, Yang XL, Wang ZH, Yin L, Wu SF, Yu YF. Exp Ther Med. 2018 Jan;15(1):139-144. doi: 10.3892/etm.2017.5408. Epub 2017 Oct 31. MicroRNA-296 mediated corneal neovascularization in an animal model of corneal burns after ...

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