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Product datasheet for AM50270AF-N

FGF 23 (FGF23) Mouse Monoclonal Antibody [Clone ID: FGF23/638]

Product data:

Product Type:	Primary Antibodies
Clone Name:	FGF23/638
Applications:	ELISA, FN
Recommended Dilution:	**ELISA:** Use BSA free Antibody for coating. **Functional Studies:** Use BSA and Azide free Antibody. ***Positive Control***: Human PBL cells or brain tumors.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human FGF23 protein.
Specificity:	Recognizes Human FGF23 (Fibroblast Growth Factor 23). Other species not tested. ***Cellular Localization***: Secreted (extracellular).
Formulation:	10mM PBS State: Azide Free State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	12-32 kDa
Gene Name:	fibroblast growth factor 23
Database Link:	Entrez Gene 8074 Human Q9GZV9

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Background: Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10 through FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and similar gene structure, and are capable of transforming cultured cells when overexpressed in trans- fected cells. Cellular receptors for FGFs are members of a second multigene family, including four tyrosine kinases designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3.

Synonyms: Fibroblast growth factor 23, FGF-23, Phosphatonin, HYPF