Datasheet for ABIN7654034

anti-FGF23 antibody (CF®740)

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Overview

Quantity:	100 µL
Target:	FGF23
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FGF23 antibody is conjugated to CF®740
Application:	Please inquire

Product Details

Purpose:	FGF23(FGF23/638), CF740 conjugate
Immunogen:	Recombinant human FGF23 protein
Clone:	FGF23-638
Isotype:	IgG1, kappa
Characteristics:	Fibroblast growth factor-1 (FGF-1, acidic FGF) and fibroblast growth factor-2 (FGF-2, 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. They are capable of transforming cultured cells when overexpressed by transfection. Cellular receptors for FGFs are members of a second multigene family, including four tyrosine kinases designated Flg (FGFR-1), Bek (FGFR-L), TKF

Product Details

	and FGFR-3.Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	FGF23
Alternative Name:	FGF23
Background:	Synonyms: ADHR, FGF-23, FGFN, Fibroblast growth factor 23, HPDR2, HYPF, Phosphatonin, PHPTC, Tumor-derived hypophosphatemia-inducing factor Gene Symbol: FGF23
Molecular Weight:	12-32 kDa
Gene ID:	8074
UniProt:	Q9GZV9
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Negative Regulation of Hormone Secretion

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µLfor flow cytometry
Comment:	Positive Control: Human PBL cells or brain tumors
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % rBSA, 0.05 % azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months