Human FGF-13 1B Antibody

Monoclonal Mouse IgG_{2A} Clone # 298923

Catalog Number: MAB1909

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FGF-13 1B in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) FGF-3, -4, -5, -6, -7, -9, -10, -11, -12, -16, -17, -19, -20, -21, rhFGF basic, recombinant mouse FGF-8b, or -8c is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 298923
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human FGF-13 isoform 1B Ala2-Thr192 Accession # NP_378668
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

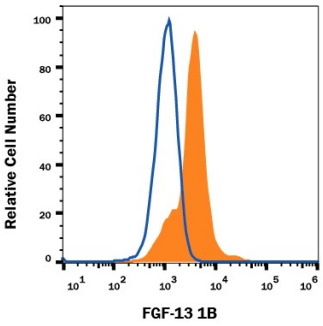
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human FGF-13 1B
Flow Cytometry	0.25 µg/10^6 cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of FGF-13 in RPMI 8226 Human Cell Line by Flow Cytometry. RPMI 8226 human multiple myeloma cell line was stained with Mouse Anti-Human FGF-13 1B Monoclonal Antibody (Catalog # MAB1909, filled histogram) or isotype control antibody (Catalog # MAB003, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

FGF-13 (Fibroblast Growth Factor-13), also known as FGF homologous factor 2 (FHF-2), is a member of the FGF family. It is expressed in brain and skeletal muscle and has been implicated in nervous system development and function. The gene for FGF-13 has been localized in human chromosome X, in a region associated with Borjeson-Forssman-Lehmann syndrome, a syndromal X-linked mental retardation. Two alternately spliced isoforms that differ in their amino-terminal residues have been described.

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