Human FGF R2 APC-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 98725

Catalog Number: FAB684A
100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects α isoforms (3 Ig-like domains) and β isoforms (2 Ig-like domains) of human FGF R2 in direct ELISAs and Western blots. In direct ELISAs, this antibody reacts with all isoforms of rhFGF R2 but shows approximately a 4-fold preference for (IIIc) isoforms. Approximately 100% cross-reactivity with recombinant mouse FGF R2, 15% cross-reactivity with recombinant human (rh) FGF RI (β isoforms), and no cross-reactivity with rhFGF RI (α isoforms), rhFGF R3, or rhFGF R4 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 98725
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human FGF R2 isoforms and Mouse myeloma cell line NS0-derived recombinant human FGF R2 isoforms
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

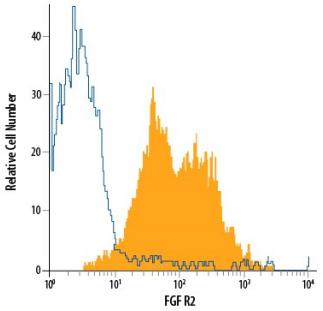
APPLICATIONS

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
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of FGF R2 in KATO-III Human Cell Line by Flow Cytometry. KATO-III human gastric carcinoma cell line was stained with Mouse Anti-Human FGF R2 APC-conjugated Monoclonal Antibody (Catalog # FAB684A, filled histogram) or isotype control antibody (Catalog # IC002A, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

FGF R2 is a transmembrane tyrosine kinase that functions as a receptor for several FGF family proteins. The extracellular domain includes three (α isoforms) or two (β isoforms) Ig-like domains. Alternative exon usage results in IIIb or IIIc isoforms that differ in their membrane proximal Ig-like domain.

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