

DESCRIPTION

Species Reactivity	Human
Specificity	Detects the IIIb and IIIc isoforms of human FGF R3 in direct ELISAs and Western blots. Does not cross-react with any isoforms of recombinant mouse (rm) FGF R3, rmFGF R2, recombinant human (rh) FGF R1, rhFGF R2, or rhFGF R4.
Source	Monoclonal Mouse IgG ₁ Clone # 136334
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Pool of NS0-derived recombinant human FGF R3 alpha (IIIb) and Sf21-derived FGF R3 alpha (IIIc)
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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	0.25-1 µg/10 ⁶ cells	K562 human chronic myelogenous leukemia cell line

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Fibroblast Growth Factor Receptor 3 (FGF R3) is a type I transmembrane tyrosine kinase receptor that binds FGF ligands along with heparin or heparin sulfate proteoglycans as co-factors. A segment of the membrane proximal Ig-like domain can be encoded by two different exons resulting in (IIIb) or (IIIc) isoforms. The IIIb or IIIc isoforms recognize FGF -1, -2, -4, -8b, -8e, -8f, -9, and -17b. FGF R3 plays a role in skeletal, brain, lung, intestine, kidney, and skin development.

PRODUCT SPECIFIC NOTICES

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