

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 136334
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0- and Sf21-derived recombinant human FGF R3α (IIIb)
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	K562 human chronic myelogenous leukemia cell line

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**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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