

DESCRIPTION

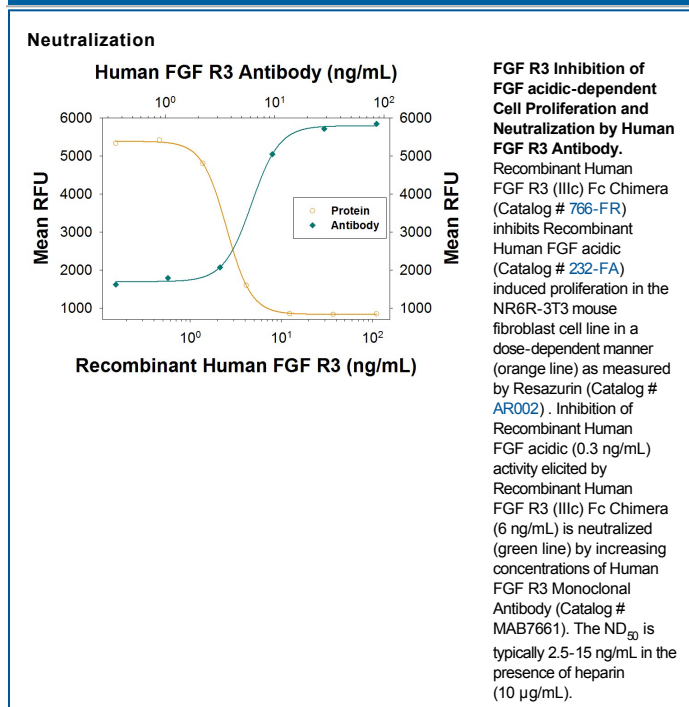
Species Reactivity	Human
Specificity	Detects the IIIb and IIIc isoforms of human FGF R3. It does not cross-react with mouse FGF R3 or with any isoforms of recombinant human (rh) FGF R1 or rhFGF R2.
Source	Monoclonal Mouse IgG ₁ Clone # 136318
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human FGF R3α (IIIc)
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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 R3 (IIIb) Fc Chimera (Catalog # 1264-FR) Recombinant Human FGF R3 (IIIc) Fc Chimera (Catalog # 766-FR)
Neutralization		Measured by its ability to neutralize FGF R3-mediated inhibition of proliferation in the NR6R-3T3 mouse fibroblast cell line. Raines, E.W. <i>et al.</i> (1985) <i>Methods Enzymol.</i> 109 : 749. The Neutralization Dose (ND ₅₀) is typically 2.5-15 ng/mL in the presence of 6 ng/mL Recombinant Human FGF R3 (IIIc) Fc Chimera, 0.3 ng/mL Recombinant Human FGF acidic, and 10 µg/mL heparin.

DATA



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. <ul style="list-style-type: none"> • 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

The extracellular domain of FGF R3 includes 3 Ig-like domains. A segment of the membrane proximal Ig-like domain can be encoded by two different exons resulting in (IIIb) or (IIIc) isoforms.