

DESCRIPTION

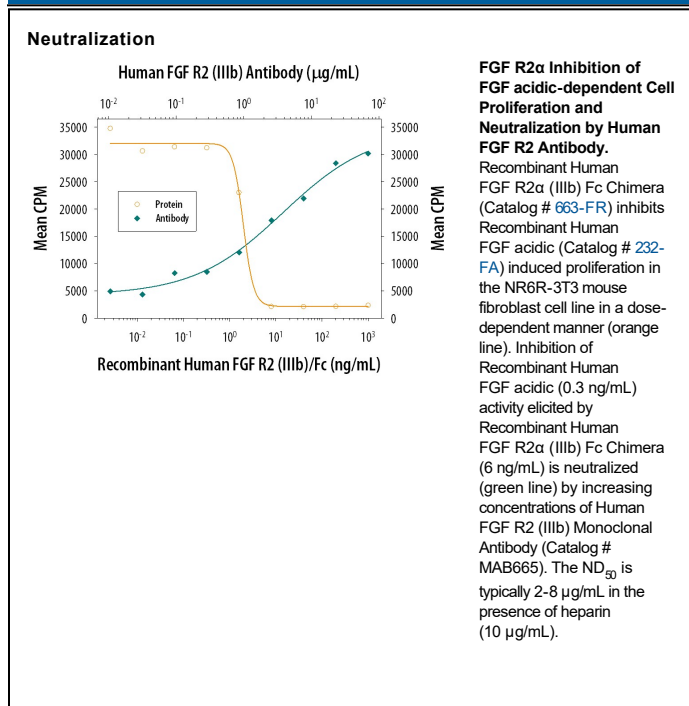
Species Reactivity	Human
Specificity	Reacts with multiple isoforms of human FGF R2 although it shows a marked preference for human FGF R2 (IIIb) isoforms in some assays as described below. In direct ELISAs, displays a three-fold preference for FGF R2 (IIIb) isoforms over (IIIc) isoforms. Shows approximately 50% cross-reactivity with recombinant mouse (rm) FGF R2 isoforms and no cross-reactivity with any isoforms of recombinant human (rh) FGF R1 or rhFGF R3. In Western blots, shows approximately 25% cross-reactivity with rhFGF R2 (IIIc) isoforms, 100% cross-reactivity with all isoforms of rmFGF R2 and no cross-reactivity with any isoforms of rhFGF R1, rhFGF R3, or rhFGF R4. Neutralizes the bioactivity of rhFGF R2 (IIIb) isoforms.
Source	Monoclonal Mouse IgG ₁ Clone # 98707
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human FGF R2 isoforms and <i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human FGF R2 isoforms
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 either lyophilized or 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 R2β (IIIb) Fc Chimera (Catalog # 665-FR)
Neutralization	Measured by its ability to neutralize FGF R2α-mediated inhibition of proliferation in the NR6R-3T3 mouse fibroblast cell line. The Neutralization Dose (ND ₅₀) is typically 2-8 µg/mL in the presence of 6 ng/mL Recombinant Human FGF R2α (IIIb) 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

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.