

DESCRIPTION

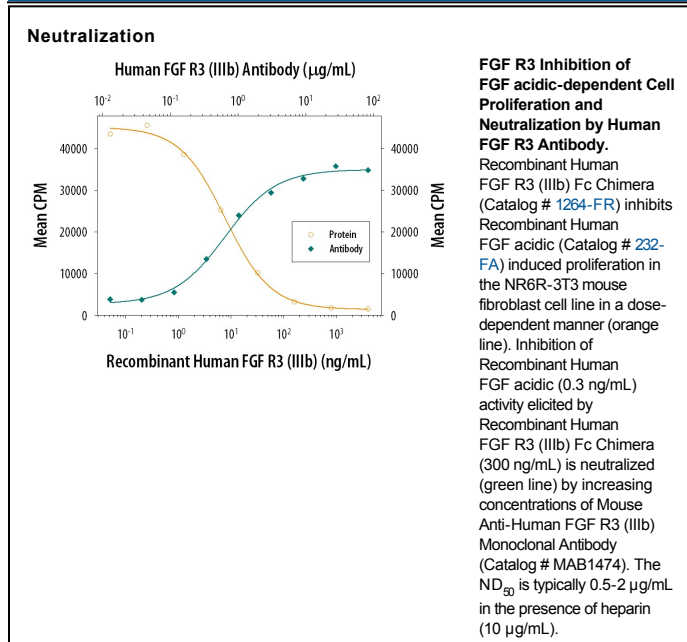
Species Reactivity	Human
Specificity	Detects human FGF R3 (IIIb) in direct ELISAs. In direct ELISAs, approximately 25-50% cross-reactivity with recombinant mouse FGF R3 (IIIb) is observed and 12% with recombinant human (rh) FGF R4 is observed and no cross-reactivity with (IIIc) isoforms of rhFGF R3 or any isoforms of rhFGF R1 or rhFGF R2 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 136315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human FGF R3α (IIIb and 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.

Neutralization	Measured by its ability to neutralize FGF R3-mediated inhibition of proliferation in the NR6R-3T3 mouse fibroblast cell line. The Neutralization Dose (ND ₅₀) is typically 0.5-2 µg/mL in the presence of 300 ng/mL Recombinant Human FGF R3 (IIIb) Fc Chimera, 0.3 ng/mL Recombinant Human FGF acidic, and 10 µg/mL heparin.
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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

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 cofactors. 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.