

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TGF- β RII and TGF- β RIIb in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant human TGF- β RIII, recombinant mouse (rm) TGF- β RII, or rmTGF- β RI.
Source	Monoclonal Mouse IgG ₁ Clone # 176510
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TGF- β RII isoform 2 Thr23-Asp184 Accession # NP_001020018
Formulation	Lyophilized from a 0.2 μ m 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 μ m 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 μ g/mL	Recombinant Human TGF- β RII (Catalog # 241-R2) under non-reducing conditions only. Human TGF-beta RII Affinity Purified Polyclonal Ab (Catalog # AF-241-NA) is recommended for Western blot samples under reducing conditions.

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

TGF- β RII is a membrane-bound serine/threonine kinase. Upon ligand binding, TGF- β RII interacts with TGF- β RI to form the heteromeric signaling complex that transduces TGF- β signals. A splice variant of the type II receptor, TGF- β RIIb, containing a 25 amino acid residue insertion near the N-terminus of the mature protein has also been described.