

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TGF- β RII in direct ELISAs and Western blots. In direct ELISAs, this antibody does not cross-react with with recombinant rat MIS RII, recombinant mouse TGF- β RI, recombinant human (rh) TGF- β RII, rhTGF- β RIIb, or rhTGF- β RIII.
Source	Monoclonal Rat IgG _{2B} Clone # 129502
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse TGF- β RII Ile24-Asp184 Accession # Q62312
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
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 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 Mouse TGF- β RII Fc Chimera (Catalog # 1600-R2)

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. It associates with TGF- β RI to generate a heterodimeric signaling complex that transduces TGF- β signals. This receptor binds TGF- β 1 and TGF- β 3 with high affinity and TGF- β 2 with much lower affinity and is expressed by most cell types.