**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 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 IgG2B Clone # 129502

**Purification** Protein A or G purified from hybridoma culture supernatant

**Immunogen** S. frugiperda insect ovarian cell line Sf21-derived recombinant mouse TGF-β RII Ile24-Asp184

**Accession #** Q62312

**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.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tr>
<td>Western Blot</td>
<td>1 µg/mL</td>
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**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.

- 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-β1 and TGF-β3 with high affinity and TGF-β2 with much lower affinity and is expressed by most cell types.