

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>        | Detects mouse TGF- $\beta$ RII in direct ELISAs and Western blots. In direct ELISAs, this antibody does not cross-react with recombinant rat MIS RII, recombinant mouse TGF- $\beta$ RI, recombinant human (rh) TGF- $\beta$ RII, rhTGF- $\beta$ RIib, or rhTGF- $\beta$ RIIL. |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 129502                                                                                                                                                                                                                                |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                     |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse TGF- $\beta$ RII<br>Ile24-Asp184<br>Accession # Q62312                                                                                                                                           |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                                |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.    |

## 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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

TGF- $\beta$  RII is a membrane-bound serine/threonine kinase. It associates with TGF- $\beta$  RI to generate a heterodimeric signaling complex that transduces TGF- $\beta$  signals. This receptor binds TGF- $\beta$ 1 and TGF- $\beta$ 3 with high affinity and TGF- $\beta$ 2 with much lower affinity and is expressed by most cell types.

## PRODUCT SPECIFIC NOTICES

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