

#### DESCRIPTION

|                                                                                                                                                                                                         |                                                                                                                |
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| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                                          |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human TGF- $\beta$ RII in direct ELISAs and Western blots.                                             |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Goat IgG                                                                                            |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                                                      |
| <b>Immunogen</b>                                                                                                                                                                                        | Mouse myeloma cell line NS0-derived recombinant human TGF- $\beta$ RII<br>Ile24-Asp159<br>Accession # P37173.2 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm                                |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                   |
| *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.

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| <b>CyTOF-ready</b>                             | Optimal dilution of this antibody should be experimentally determined. |
| <b>ELISA Capture (Matched Antibody Pair)</b>   | Optimal dilution of this antibody should be experimentally determined. |
| <b>ELISA Detection (Matched Antibody Pair)</b> | Optimal dilution of this antibody should be experimentally determined. |
| <b>Neutralization</b>                          | Optimal dilution of this antibody should be experimentally determined. |
| <b>Western Blot</b>                            | Optimal dilution of this antibody should be experimentally determined. |
| <b>Flow Cytometry</b>                          | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b>                    | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | 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. Upon ligand binding, TGF- $\beta$  RII interacts with TGF- $\beta$  RI to form the heteromeric signaling complex that transduces TGF  $\beta$  signals. A splice variant of the type II receptor, TGF- $\beta$  RIIb, containing a 25 amino acid residue insertion near the Nterminus of the mature protein has also been described.

#### PRODUCT SPECIFIC NOTICES

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