Species Reactivity: Human

Specificity: Detects human TNF RI in ELISAs and Western blots. In ELISAs, no cross-reactivity or interference was observed with recombinant human (rh) TNF RI, recombinant mouse (rm) TNF RI, rmTNF RI, rmTNF-α, rhTNF-α, or rhTNF-β. In Western blots, this antibody does not cross-react with rhTNF RI, rmTNF RI, or rmTNF RI.

Source: Monoclonal Mouse IgG1 Clone # 22210

Purification: Protein A or G purified from hybridoma culture supernatant

Immunogen: E. coli-derived recombinant human TNF RI/TNFRSF1B Leu23-Asp257

Accession #: P20333

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.

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 μg/mL

Recombinant Human TNF RI/TNFRSF1B Fc Chimera (Catalog # 726-R2) under non-reducing conditions only

Human TNF RI/TNFRSF1B Sandwich Immunoassay

2-8 μg/mL

Human TNF RI/TNFRSF1B Antibody (Catalog # MAB726)

ELISA Capture

0.1-0.4 μg/mL

Human TNF RI/TNFRSF1B Biotinylated Antibody (Catalog # BAF726)

ELISA Detection

Neutralization

Measured by its ability to neutralize TNF RI/TNFRSF1B-mediated inhibition of cytotoxicity in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND50) is typically 0.5-1.5 μg/mL in the presence of 0.3 μg/mL Recombinant Human TNF RI/TNFRSF1B Fc Chimera, 0.25 ng/mL Recombinant Human TNF-α, and 1 μg/mL actinomycin D.

DATA

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.

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.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

TNF RII, also known as p75 or p80 TNF R, is a prototypic member of the TNF receptor superfamily and has been designated TNFRSF1B. It binds TNF with high affinity and is expressed primarily in cells of the immune system.