

DESCRIPTION

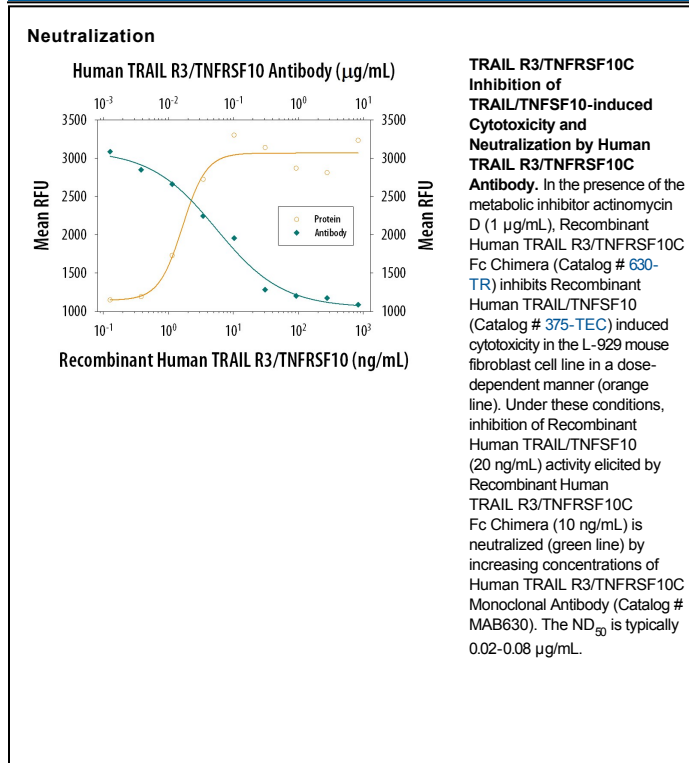
Species Reactivity	Human
Specificity	Detects human TRAIL R3/TNFRSF10C in direct ELISAs and Western blots. In direct ELISAs, approximately 20%-40% cross-reactivity with recombinant human (rh) TRAIL R1 is observed and no cross-reactivity with rhTRAIL R2 or rhTRAIL R4 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 90903
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R3/TNFRSF10C Ala26-Ala221 Accession # O14798
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 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.

Neutralization	Measured by its ability to neutralize TRAIL R3/TNFRSF10C-mediated inhibition of cytotoxicity in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND ₅₀) is typically 0.02-0.08 µg/mL in the presence of 10 ng/mL Recombinant Human TRAIL R3/TNFRSF10C Fc Chimera, 20 ng/mL of Recombinant Human TRAIL/TNFSF10, 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. *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

TRAIL R3, also called TNFRSF10C, DcR1 (decoy receptor 1), LIT, and TRID, is a glycosylphosphatidylinositol-linked membrane protein which binds TRAIL (Apo2 Ligand) with high affinity (1, 2). TRAIL R3 contains a TRAIL-binding extracellular cysteine-rich domain but lacks an intracellular signaling domain. As a result, binding of TRAIL to TRAIL R3 does not trigger a pro-apoptotic signal. TRAIL R3 has been shown to protect cells bearing TRAIL R1 and/or TRAIL R2 from TRAIL-induced apoptosis.

References:

1. Sheridan, J.P. *et al.* (1997) *Science* **277**:818.
2. Golstein, P. (1997) *Curr. Biol.* **7**:R750.