Human TRAIL R3/TNFRSF10C Antibody

Monoclonal Mouse IgG_1 Clone # 90905

Catalog Number: MAB6301

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRAIL R3/TNFRSF10C in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) TRAIL R1, rhTRAIL R2, or rhTRAIL R4 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 90905
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R3/TNFRSF10C Ala26-Ala221 Accession # O14798
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.

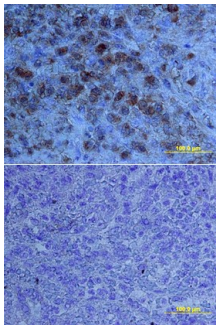
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human TRAIL R3/TNFRSF10C Fc Chimera (Catalog # 630-TR)
Immunohistochemistry	8-25 µg/mL	See Below
Human TRAIL R3/TNFRSF10C Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Human TRAIL R3/TNFRSF10C Antibody (Catalog # MAB6301)
ELISA Detection	0.1-0.4 µg/mL	Human TRAIL R3/TNFRSF10C Biotinylated Antibody (Catalog # BAF630)
Standard		Recombinant Human TRAIL R3/TNFRSF10C Fc Chimera (Catalog # 630-TR)

DATA

Immunohistochemistry



TRAIL R3/TNFRSF10C in Human Spleen. TRAIL R3/TNFRSF10C was detected in immersion fixed paraffin-embedded sections of human spleen using Mouse Anti-Human TRAIL R3/TNFRSF10C Monoclonal Antibody (Catalog # MAB6301) at 25 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling when primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

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

Human TRAIL R3, also called DcR1 (decoy receptor 1), LIT, and TRID and designated TNFRSF10C, is a glycosyl-phosphatidylinositol-linked membrane protein which binds TRAIL (Apo2 Ligand) with high affinity. TRAIL R3 has the TRAIL-binding extracellular cysteine-rich domains but lacks the intracellular signalling domain. As a result, binding of TRAIL to TRAIL R3 does not transduce an apoptosis signal. Expression of TRAIL R3 has been shown to protect cells bearing TRAIL R1 and/or TRAIL R2 from TRAIL-induced apoptosis. A second TRAIL decoy receptor, which binds TRAIL with high-affinity but antagonizes TRAIL-induced apoptosis, named TRAIL R4, DcR2 or TRUNDD, has also been reported. The human soluble TRAIL R3/Fc chimera neutralizes the ability of TRAIL to induce apoptosis.

References:

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

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