Human TRAIL R3/TNFRSF10C Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF630

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRAIL R3/TNFRSF10C in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh) TRAIL, rhTRAIL R1, rhTRAIL R2, rhTRAIL R4, rhTNF-α, and rhTNF-β is observed. In Western blots, less than 5% cross-reactivity with rhTRAIL R1, rhTRAIL R2, and rhTRAIL R4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
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 BSA as a carrier protein. 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	0.1 µg/mL	Recombinant Human TRAIL R3/TNFRSF10C Fc Chimera (Catalog # 630-TR)
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)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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.

BACKGROUND

Human TRAIL R3, also called DcR1 (decoy receptor 1), LIT, and TRID, is a glycosyl-phosphatidylinositol-linked membrane protein which binds TRAIL (Apo2 Ligand) with high affinity. In the new TNF superfamily nomenclature, TRAIL R3 is referred to as TNFRSF10C. 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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