

DESCRIPTION

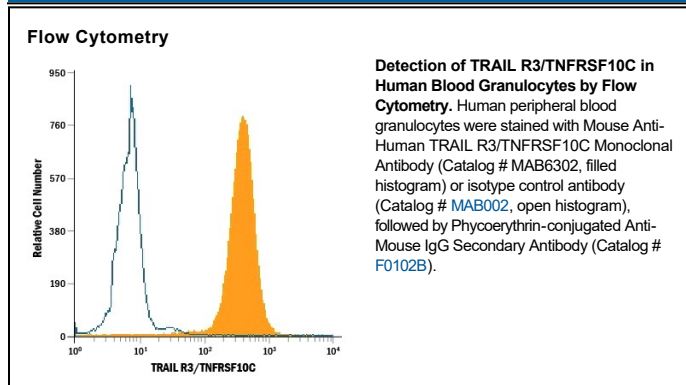
Species Reactivity	Human
Specificity	Detects human TRAIL R3/TNFRSF10C in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) TRAIL R2, rhTRAIL R1, or rhTRAIL R4 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 90906
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R3/TNFRSF10C Met1-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 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
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

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

Human TRAIL R3, also known as 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.