

DESCRIPTION

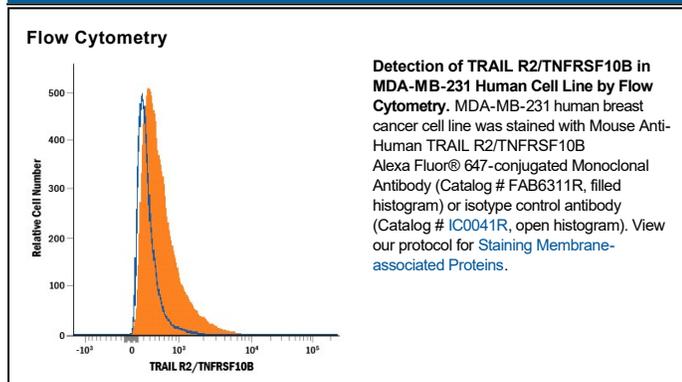
Species Reactivity	Human
Specificity	Detects human TRAIL R2 in direct ELISAs and Western blots. In direct ELISAs, does not cross-react with recombinant human (rh) TRAIL R1, rhTRAIL R3, rhTRAIL R4, or recombinant mouse TRAIL R2.
Source	Monoclonal Mouse IgG _{2B} Clone # 71908
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R2/TNFRSF10B Ile56-Glu182 Accession # O14763
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	5 μ L/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Human TRAIL R2, also known as DR5, CD262, and TRICK 2, is a type 1 transmembrane TNFR family protein which serves as a receptor for TRAIL (APO2 Ligand). In the new TNF superfamily nomenclature, TRAIL R2 is referred to as TNFRSF10B. TRAIL R2 cDNA encodes a 440 amino acid (aa) residue precursor protein that contains extracellular cysteine-rich domains, a transmembrane domain and a cytoplasmic death domain. Among TNF receptor family proteins, TRAIL R2 is most closely related to TRAIL R1/DR4, a molecule with which it shares 55% aa sequence identity. Binding of trimeric TRAIL to TRAIL R2 induces apoptosis. The induction of apoptosis likely requires oligomerization of the receptor. The human TRAIL R2/Fc chimera neutralizes the ability of TRAIL to induce apoptosis. Besides TRAIL R2, an additional TRAIL R1/DR4 (which transduces apoptosis signaling) and two TRAIL decoy receptors (which antagonize TRAIL-induced apoptosis) have been reported. Human and Mouse TNFRSF10B extracellular domains share <40% aa sequence identity.

PRODUCT SPECIFIC NOTICES

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