Human TRAILR4/TNFRSF10D Alexa Fluor® 488-conjugated Antibody

Recombinant Monoclonal Mouse IgG_1 Clone # 104918R

Catalog Number: FAB633RG

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRAIL R4/TNFRSF10D in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG_1 Clone # 104918R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R4/TNFRSF10D Ala56-His211 Accession # Q9UBN6
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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	0.25-1 µg/10^6 cells	Human peripheral blood cells

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 R4, also called decoy receptor 2 (DcR2) and TRUNND (TRAIL receptor with a truncated death domain), is a type I, TNF R family transmembrane protein, which is a receptor for TRAIL (APO2 ligand). In the TNF superfamily nomenclature, TRAIL R4 is designated as TNFRSF10D. TRAIL R4 is unique among the TRAIL receptors in that its cytoplasmic domain contains a truncated consensus death domain motif. Binding of TRAIL R4 does not result in an apoptotic signal. Overexpression of TRAIL R4 can protect cells bearing TRAIL R1 and/or TRAIL R2 from TRAIL-mediated apoptosis. The human soluble TRAIL R4/Fc chimera neutralizes the ability of TRAIL to induce apoptosis.

References:

1. Griffith, T.S. *et al.* (1998) Curr. Opin. Immunol. **10:**559.
2. Pan, G. *et al.* (1998) FEBS lett **424:**41.
3. Marsters, S.A. *et al.* (1997) Cur. Biol. **7:**1003.
4. Degli-Esposti, M.A. *et al.* (1997) Immunity **7:**813.

PRODUCT SPECIFIC NOTICES

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