

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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 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.

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