Datasheet for ABIN1169389

anti-TRAIL antibody

4 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	TRAIL (TNFSF10)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRAIL antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant human TRAIL.
Clone:	HS501
Isotype:	IgG1
Specificity:	Recognizes human TRAIL.
Cross-Reactivity:	Human
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	TRAIL (TNFSF10)
Alternative Name:	TRAIL (TNFSF10 Products)

Target Details

Background:	TNF-related apoptosis-inducing ligand (TRAIL, Apo2L,CD253, TNFSF10) is a type II transmembrane protein of about 34 kDa. Like most members of the tumor necrosis factor (TNF) superfamily of cytokines TRAIL can be cleaved at the cell surface by metalloproteases to form a soluble molecule. Active TRAIL forms trimers and specifically binds to five distinct receptors: TRAIL-R1 (DR4, Apo2, CD261, TNFRSF10A), TRAIL-R2 (DR5, KILLER, TRICK2A, TRICK2B, CD262, TNFRSF10B), TRAIL-R3 (DcR1, LIT, TRID, CD263, TNFRSF10C), TRAIL-R4 (DcR2, TRUNDD, CD264, TNFRSF10D), and osteoprotegerin (OPG, OCIF, TNFRSF11B). Trimerized TRAIL triggers apoptosis upon ligation of cell surface TRAIL-R1 and/or TRAIL-R2 by inducing the formation of the so-called multiprotein death-inducing signaling complex (DISC). .
UniProt:	P50591
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

Publications

Product cited in:	Luetzkendorf, Mueller, Mueller, Caysa, Nerger, Schmoll: "Growth inhibition of colorectal

carcinoma by lentiviral TRAIL-transgenic human mesenchymal stem cells requires their substantial intratumoral presence." in: **Journal of cellular and molecular medicine**, Vol. 14, Issue 9, pp. 2292-304, (2010) (PubMed).

Wenger, Mattern, Penzel, Gassler, Haas, Sprick, Walczak, Krammer, Debatin, Herr: "Specific resistance upon lentiviral TRAIL transfer by intracellular retention of TRAIL receptors." in: **Cell death and differentiation**, Vol. 13, Issue 10, pp. 1740-51, (2006) (PubMed).

Huber, Fais, Iero, Lugini, Canese, Squarcina, Zaccheddu, Colone, Arancia, Gentile, Seregni, Valenti, Ballabio, Belli, Leo, Parmiani, Rivoltini: "Human colorectal cancer cells induce T-cell death through release of proapoptotic microvesicles: role in immune escape." in: **Gastroenterology**, Vol. 128, Issue 7, pp. 1796-804, (2005) (PubMed).

Washburn, Weigand, Grosse-Wilde, Janke, Stahl, Rieser, Sprick, Schirrmacher, Walczak: "TNF-related apoptosis-inducing ligand mediates tumoricidal activity of human monocytes stimulated by Newcastle disease virus." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 170, Issue 4, pp. 1814-21, (2003) (PubMed).