

Datasheet for ABIN1169237
anti-TNFRSF10A antibody



[Go to Product page](#)

6 Publications

Overview

Quantity:	100 µg
Target:	TNFRSF10A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF10A antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC), Functional Studies (Func)

Product Details

Immunogen:	Recombinant human TRAIL-R1 (DR4).
Clone:	HS101
Isotype:	IgG1
Specificity:	Recognizes human TRAIL-R1.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Does not cross-react with human TRAIL-R2, -R3 or -R4.
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	TNFRSF10A
Alternative Name:	TRAIL-R1 (TNFRSF10A Products)
Background:	TRAIL-R1 is a receptor for the cytotoxic ligand TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappaB.
UniProt:	O00220
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:	Secchiero, Melloni, Heikinheimo, Mannisto, Di Pietro, Iacone, Zauli: "TRAIL regulates normal erythroid maturation through an ERK-dependent pathway." in: Blood , Vol. 103, Issue 2, pp. 517-
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22, (2004) ([PubMed](#)).

Tecchio, Huber, Scapini, Calzetti, Margotto, Todeschini, Pilla, Martinelli, Pizzolo, Rivoltini, Cassatella: "IFNalpha-stimulated neutrophils and monocytes release a soluble form of TNF-related apoptosis-inducing ligand (TRAIL/Apo-2 ligand) displaying apoptotic activity on leukemic cells." in: **Blood**, Vol. 103, Issue 10, pp. 3837-44, (2004) ([PubMed](#)).

Ganten, Haas, Sykora, Stahl, Sprick, Fas, Krueger, Weigand, Grosse-Wilde, Stremmel, Krammer, Walczak: "Enhanced caspase-8 recruitment to and activation at the DISC is critical for sensitisation of human hepatocellular carcinoma cells to TRAIL-induced apoptosis by chemotherapeutic drugs." in: **Cell death and differentiation**, Vol. 11 Suppl 1, pp. S86-96, (2004) ([PubMed](#)).

Leverkus, Sprick, Wachter, Mengling, Baumann, Serfling, Bröcker, Goebeler, Neumann, Walczak: "Proteasome inhibition results in TRAIL sensitization of primary keratinocytes by removing the resistance-mediating block of effector caspase maturation." in: **Molecular and cellular biology**, Vol. 23, Issue 3, pp. 777-90, (2003) ([PubMed](#)).

Washburn, Weigand, Grosse-Wilde, Janke, Stahl, Rieser, Sprick, Schirmmacher, 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](#)).

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