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Datasheet for ABIN6579815 anti-TNFRSF10B antibody (Extracellular Domain) (APC)



2 Images

Overview

Quantity:	0.1 mg
Target:	TNFRSF10B
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF10B antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant fusion protein of human IgG heavy chain and extracellular domain of DR5.
Clone:	DR5-01-1
lsotype:	lgG1
Specificity:	The mouse monoclonal antibody DR5-01-1 recognizes an extracellular domain of TRAIL-R2 (DR5). TRAIL-R2 is one of two TNF superfamily members that contain death domain for TRAIL (APO2L).
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

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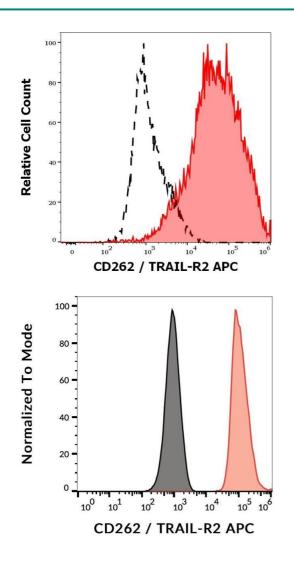
Target Details	
Target:	TNFRSF10B
Alternative Name:	CD262 / TRAIL-R2 (TNFRSF10B Products)
Background:	TNF receptor superfamily member 10b,TRAIL-R2 (CD262, DR5) is one of two TNF superfamily
	member intracellular death domain containing receptors for TRAIL (APO2L). Apoptosis, or
	programmed cell death, occurs during normal cellular differentiation and development of
	multicellular organisms. Apoptosis is induced by certain cytokines including tumor necrosis
	factor (TNF) and Fas ligand in the TNF family through their death domain containing receptors,
	TNF receptor 1 (TNFR1) and Fas, respectively. Another member in the TNF family has been
	identified and designated TRAIL (for TNF related apoptosis inducing ligand) and Apo2L (for
	Apo2 ligand). Receptors for TRAIL include two death domain containing receptors, DR4 and
	DR5, as well as two decoy receptors, DcR1 and DcR2, lacking the intracellular signaling death
	domain. DcR1 (also called TRID), like the related death receptors DR4 and DR5, contains two
	extracellular cysteine rich domains. However, DcR1 contains no intracellular death domain and
	is thus incapable of signaling apoptosis. It has been suggested DcR1 is responsible for TRAIL
	resistance in normal human tissues including heart, placenta, lung, liver, kidney, spleen, and
	bone marrow. DR5 is a member of the TNF receptor superfamily, and contains an intracellular
	death domain. This receptor can be activated by tumor necrosis factor related apoptosis
	inducing ligand (TNFSF10/TRAIL/APO2L), and transduces apoptosis signal. Studies with FADD
	deficient mice suggested that FADD, a death domain containing adaptor protein, is required for
	the apoptosis mediated by this protein.,TNFRSF10B, KILLER, TRICK2, TRAIL-R2
Gene ID:	8795
UniProt:	014763
Pathways:	p53 Signaling, Apoptosis, Positive Regulation of Endopeptidase Activity
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL, positive control: JURKAT human periphera
	blood leukemia T cell line.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum
	conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only

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Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM 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
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images



Flow Cytometry

Image 1. Separation of TRAIL-R2 transfected HEK-293 stained using anti-human CD262 (DR5-01-1) APC antibody (concentration in sample 1,7 μ g/mL, red-filled) from TRAIL-R2 transfected HEK-293 stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 1,7 μ g/mL, same as CD262 APC concentration, black-dashed) in flow cytometry analysis (surface staining) of TRAIL-R2 transfected HEK-293 suspension.

Flow Cytometry

Image 2. Surface staining of CD262 on CD262transfectants with the antibody to CD262 (DR5-01-1) APC.

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