

Datasheet for ABIN302032

anti-TNFRSF10A antibody (PE)**2** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TNFRSF10A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF10A antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Fusion protein containing the extracellular part of TRAIL-R1 and the constant part of the heavy chain of the human IgG1.
Clone:	DR-4-02
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody DR-4-02 recognizes an extracellular epitope of TRAIL-R1 (DR4), a human death receptor 4 expressed in most human tissues (spleen, peripheral blood leucocytes, thymus) and in a variety of tumour-derived cell lines.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	TNFRSF10A
Alternative Name:	CD261 / TRAIL-R1 (TNFRSF10A Products)
Background:	<p>TNF receptor superfamily member 10a,TRAIL-R1 (CD261, DR4) is a type I transmembrane protein, also called TRAIL receptor 1. The ligand for this DR4 death receptor has been identified and termed TRAIL, which is a member of the TNF family. DR4, as many other receptors (Fas, TNFR1, etc.), mediates apoptosis and NF kappaB activation in many cells and tissues.</p> <p>Apoptosis, a programmed cell death, is a operating process in normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by coupled of certain cytokines (TNF family - TNF, Fas ligand) and their death domain containing receptors (TNFR1, Fas receptor).DR4, APO2, TNFRSF10A, TRAILR1, TRAIL-R1</p>
Gene ID:	8797
UniProt:	O00220
Pathways:	Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-5 µg/mL.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only

Handling

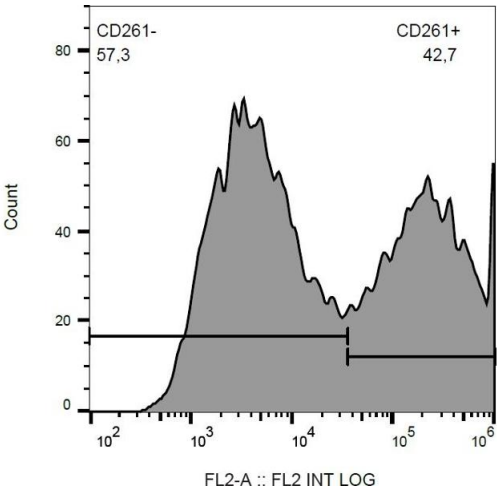
Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Vondálová Blanárová, Jelínková, Szöör, Skender, Soucek, Horváth, Vaculová, Andera, Sova, Szöllosi, Hofmanová, Vereb, Kozubík: "Cisplatin and a potent platinum(IV) complex-mediated enhancement of TRAIL-induced cancer cells killing is associated with modulation of upstream events in the extrinsic apoptotic pathway." in: **Carcinogenesis**, Vol. 32, Issue 1, pp. 42-51, (2010) ([PubMed](#)).

Símová, Klíma, Cermak, Sourková, Andera: "Arf and Rho GAP adapter protein ARAP1 participates in the mobilization of TRAIL-R1/DR4 to the plasma membrane." in: **Apoptosis : an international journal on programmed cell death**, Vol. 13, Issue 3, pp. 423-36, (2008) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of CD261-transfected HEK-293 cells with anti-CD261/TRAIL-R1 (DR-4-02) PE.

Flow Cytometry

Image 2. Flow Cytometry analysis

