Datasheet for ABIN1981882

anti-TNFRSF10A antibody (APC)

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Overview

Quantity:	0.1 mg
Target:	TNFRSF10A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF10A antibody is conjugated to APC
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 activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	TNFRSF10A
Alternative Name:	CD261 / TRAIL-R1 (TNFRSF10A Products)
Background:	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. 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
Gene ID:	8797
UniProt:	O00220
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-4 µg/mL.
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

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. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

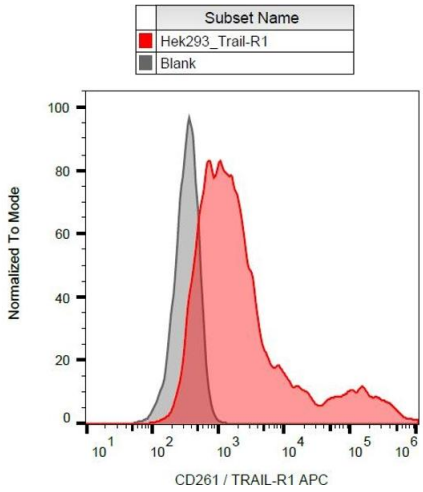
Handling

Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:	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 partially CD261-transfected HEK-293 cells with anti-CD261/TRAIL-R1 (DR-4-02) APC.