ARG62792
anti-CD264 / TRAIL R4 antibody [TRAIL-R4-01]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [TRAIL-R4-01] recognizes CD264 / TRAIL R4
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone TRAIL-R4-01 reacts with TRAIL-R4, a 42 kDa transmembrane protein expressed on various blood cells.
Host	Mouse
Clonality	Monoclonal
Clone	TRAIL-R4-01
Isotype	IgG1
Target Name	CD264 / TRAIL R4
Immunogen	TRAIL-R4 (aa 1-210) - hIgGhc fusion protein
Conjugation	Un-conjugated
Alternate Names	Tumor necrosis factor receptor superfamily member 10D; CD264; DCR2; CD antigen CD264; DcR2; Decoy receptor 2; TNF-related apoptosis-inducing ligand receptor 4; TRUNDD; TRAILR4; TRAIL receptor with a truncated death domain; TRAIL receptor 4; TRAIL-R4

Application Instructions

Application table

Application	Dilution
FACS	1 - 4 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

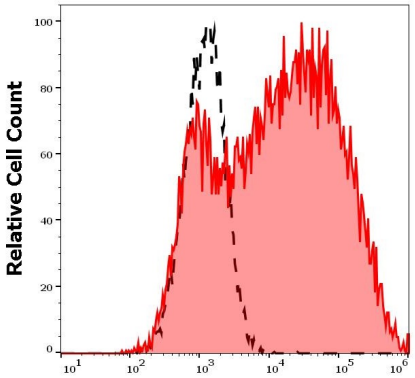
Form	Liquid
Purification	Purification with Protein A.
Purification Note	0.2 µm filter sterilized.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 8793 Human Swiss-port # Q9UBN6 Human
Gene Symbol	TNFRSF10D
Gene Full Name	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain
Background	TRAIL-R4 (CD264, TR4, DcR2, TRUNDD), expressed mainly on CD8+ and NK cells, belongs to receptors of TRAIL, a TNF-like membrane toxic protein that induces apoptosis in many tumour cells, but not in normal cells. TRAIL-R4, however, contains partially truncated death domain, thus it is unable to induce apoptosis and serves as a negative regulator of apoptotic signaling by impairment death-inducing signaling complex (DISC) processing. TRAIL-R4 interacts with death receptor 5 (DR5) in the native DISC in a TRAIL-dependent manner and prevents its corecruitment with death receptor 4 (DR4).
Function	Receptor for the cytotoxic ligand TRAIL. Contains a truncated death domain and hence is not capable of inducing apoptosis but protects against TRAIL-mediated apoptosis. Reports are contradictory with regards to its ability to induce the NF-kappa-B pathway. According to PubMed:9382840, it cannot but according to PubMed:9430226, it can induce the NF-kappa-B pathway. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Immune System antibody
Calculated Mw	42 kDa

Images



ARG62792 anti-CD264 / TRAIL R4 antibody [TRAIL-R4-01] FACS image

Flow Cytometry: Separation of CD264 transfected HEK-293 cells (red-filled) from non-transfected HEK-293 cells (black-dashed). Human peripheral whole blood stained with ARG62792 anti-CD264 / TRAIL R4 antibody [TRAIL-R4-01] at 0.33 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.