

## ARG53811 anti-CD264 / TRAIL R4 antibody [TRAIL-R4-01] (PE)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	PE-conjugated 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) - hlgGhc fusion protein
Conjugation	PE
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	2 - 5 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 Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

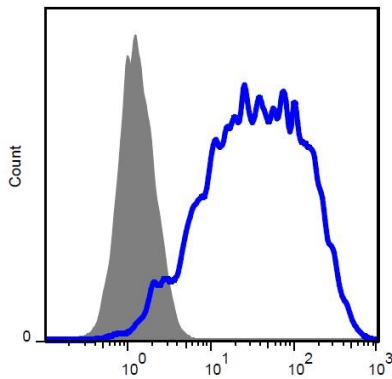
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 8793 Human</a> <a href="#">Swiss-port # Q9UBN6 Human</a>
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



ARG53811 anti-CD264 / TRAIL R4 antibody [TRAIL-R4-01] (PE) FACS image

Flow Cytometry: CD264-transfectants stained with ARG53811 anti-CD264 / TRAIL R4 antibody [TRAIL-R4-01] (PE).