

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) - hlgGhc 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. |

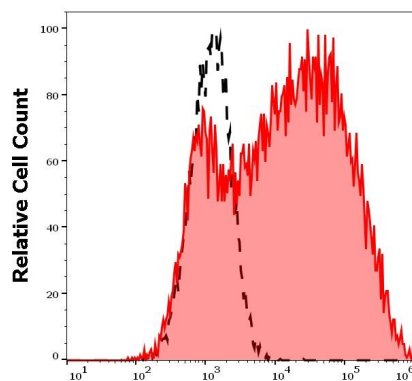
Note

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.