

ARG42323 anti-CD253 / TRAIL antibody [2E5] (APC)

Package: 50 µg
Store at: 4°C

Summary

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| Product Description | APC-conjugated Mouse Monoclonal antibody [2E5] recognizes CD253 / TRAIL |
| Tested Reactivity | Hu |
| Species Does Not React With | Ms |
| Tested Application | FACS |
| Specificity | The antibody 2E5 reacts with an extracellular epitope within C-terminal half of TRAIL (APO-2L), a 21 kDa cytotoxic protein, activator of rapid apoptosis in tumor cells. TRAIL is mainly expressed in spleen, lung, prostate and also in many other tissues. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 2E5 |
| Isotype | IgG1 |
| Target Name | CD253 / TRAIL |
| Species | Human |
| Immunogen | Recombinant soluble fragment (aa. 95-281) of Human TRAIL. |
| Conjugation | APC |
| Alternate Names | TL2; CD253; Protein TRAIL; TNF-related apoptosis-inducing ligand; TRAIL; CD antigen CD253; Apo-2 ligand; Apo-2L; APO2L; Tumor necrosis factor ligand superfamily member 10 |

Application Instructions

| Application table | <table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>FACS</td><td>1 - 5 µg/ml</td></tr> </table> | Application | Dilution | FACS | 1 - 5 µg/ml |
|-------------------|--|-------------|----------|------|-------------|
| Application | Dilution | | | | |
| FACS | 1 - 5 µg/ml | | | | |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | | | | |

Properties

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| Form | Liquid |
| Purification | Purified |
| Buffer | PBS and 15 mM Sodium azide. |
| Preservative | 15 mM Sodium azide |
| 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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|-----------------------|---|
| Gene Symbol | TNFSF10 |
| Gene Full Name | tumor necrosis factor (ligand) superfamily, member 10 |
| Background | <p>The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]</p> |
| Function | <p>Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG (PubMed:26457518, PubMed:10549288). Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis. [UniProt]</p> |
| Calculated Mw | 33 kDa |
| PTM | Tyrosine phosphorylated by PKDCC/VLK. [UniProt] |
| Cellular Localization | Membrane; Single-pass type II membrane protein. [UniProt] |