

Functional TRAIL-R1 (human) Antibody, mAb(preservative free)
Catalog # ADP0012**Specification**

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) - Product Information

Application	FC, ICC, IP
Primary Accession	O00220
Reactivity	Human
Host	Purified From Concentrated Hybridoma Tissue Culture Supernatant.
Clonality	Monoclonal
Isotype	Mouse IgG1
Gene Source	Human
Application Note	FC, Functional Application, Inhibition (blocks TRAIL-R1 mediated killing if applied in solution), ICC, IP, 50089
Calculated MW	50089
Dilution	FC~~1:10~50 ICC~~N/A IP~~N/A

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) - Additional Information**Gene ID** 8797**Other Names**

TRAIL Receptor 1; DR4; APO2; TNFRSF10A; CD261

Target/Specificity

Recognizes human TRAIL-R1. Does not cross-react with human TRAIL-R2, -R3 or -R4.

Format

Liquid. In PBS containing 10% glycerol and 0.02% sodium azide.

Reconstitution & Storage

Stable for at least 1 year after receipt when stored at -20°C.

Precautions

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) is for research use only and not for use in diagnostic or therapeutic procedures.

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) - Protein Information**Name** TNFRSF10A**Synonyms** APO2, DR4, TRAILR1**Function**

Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed:26457518, PubMed:38532423). The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis (PubMed:19090789). Promotes the activation of NF-kappa-B (PubMed:9430227).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Membrane raft. Cytoplasm, cytosol. Note=Palmitoylation is required for association with membranes.

Tissue Location

Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K- 562 erythroleukemia cells, MCF-7 breast carcinoma cells and activated T-cells

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) - Images

Functional TRAIL-R1 (human) Antibody, mAb(preservative free) - Background

TRAIL-R1 is a receptor for the cytotoxic ligand TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa.