

**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	<a href="#">O00220</a>
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,
Calculated MW	50089

**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](http://www.uniprot.org/citations/26457518), PubMed: [38532423](http://www.uniprot.org/citations/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:<a href="http://www.uniprot.org/citations/19090789" target="\_blank">19090789</a>). Promotes the activation of NF-kappa-B (PubMed:<a href="http://www.uniprot.org/citations/9430227" target="\_blank">9430227</a>).

**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.