

DR4 Blocking Peptide
Catalog # PBV10025b**Specification**

DR4 Blocking Peptide - Product Information

Primary Accession	O00220
Other Accession	EAW63636.1
Gene ID	8797
Calculated MW	50089

DR4 Blocking Peptide - Additional Information**Gene ID** 8797**Application & Usage**

The peptide is used for blocking the antibody activity of DR4. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Tumor necrosis factor receptor superfamily member 10A, Death receptor 4, TNF-related apoptosis-inducing ligand receptor 1, TRAIL receptor 1, TRAIL-R1, CD261, TNFRSF10A, APO2, DR4, TRAILR1

Target/Specificity

DR4

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

DR4 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

DR4 Blocking Peptide - Protein Information**Name** TNFRSF10A**Synonyms** APO2, DR4, TRAILR1

Function

Receptor for the cytotoxic ligand TNFSF10/TRAIL (PubMed:26457518). 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

DR4 Blocking Peptide - 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](#)

DR4 Blocking Peptide - Images