Datasheet for ABIN2566512

DR4 Protein (Fc Tag)

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Overview

Quantity:	0.1 mg
Target:	DR4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DR4 protein is labelled with Fc Tag.
Application:	Western Blotting (WB), ELISA

Product Details

Characteristics:	Measured by its binding ability in a functional ELISA. Immobilized human TNFSF10 at 10 μg/mL (100 μL/well) can bind recombinant human TRAILR1 / TNFRSF10A Fc Chimera with a linear range of 0. 625 - 100 ng/mL. Fusion tag: C-Fc Tag
Purity:	>95 % as determined by SDS-PAGE.

Target Details

Target:	DR4
Alternative Name:	DR4 (DR4 Products)
Background:	Tumor necrosis factor receptor superfamily member 10A (TNFRSF10A) is also known as TNF-related apoptosis-inducing ligand receptor 1 (TRAIL-R1), Death receptor 4 (DR4), CD261 and

Target Details

	APO2, which belongs to TNF superfamily. TRAILR1 / TNFRSF10A contains 1 death domain and 3 TNFR-Cys repeats. TNFRSF10A / DR4 is widely expressed and 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. APO2 / TNFRSF10A is receptor for the cytotoxic ligand TNFSF10 / 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. TRAILR-1 / DR4 / CD261 promotes the activation of NF-kappa-B.
Molecular Weight:	49 kDa
Gene ID:	8797
NCBI Accession:	NP_003835
UniProt:	O00220
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	This recombinant protein can be used for WB, ELISA. For research use only.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM tris, 100 mM glycine, pH 7.5
Storage:	-80 °C,-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.