

Datasheet for ABIN2181864

TNFRSF10A Protein (AA 24-239) (Fc Tag)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFRSF10A
Protein Characteristics:	AA 24-239
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF10A protein is labelled with Fc Tag.

Product Details

Sequence:	AA 24-239
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 49 kDa. The protein migrates as 47-49 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFRSF10A
Alternative Name:	TRAIL R1 (TNFRSF10A Products)

Target Details

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 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:	49.0 kDa
NCBI Accession:	NP_003835
Pathways:	Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

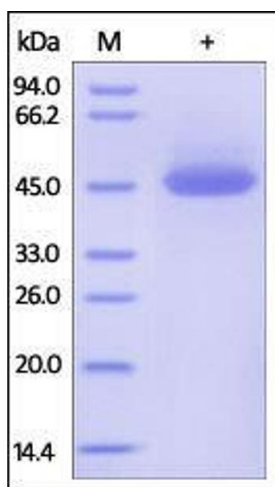
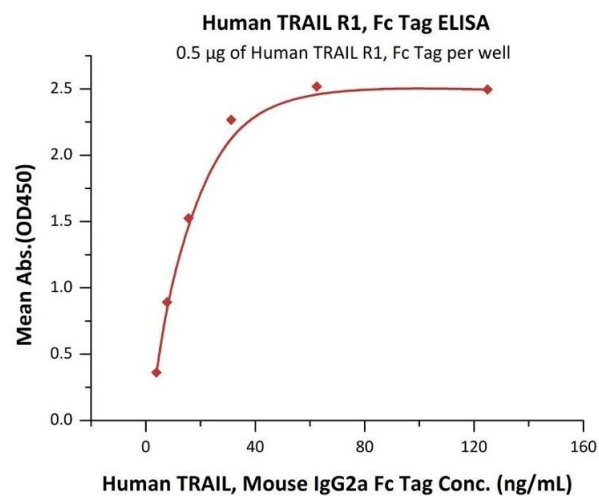
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).

Publications

Product cited in:	Mettler Izquierdo, Varela, Park, Collarini, Lu, Pramanick, Rucker, Lopalco, Etches, Harriman: "High-efficiency antibody discovery achieved with multiplexed microscopy." in: Microscopy (Oxford, England) , Vol. 65, Issue 4, pp. 341-52, (2018) (PubMed).
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ELISA

Image 1. Immobilized Human TRAIL R1, Fc Tag (ABIN2181865,ABIN2181864) at 5 µg/mL (100 µL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag (ABIN6933657,ABIN6938881) with a linear range of 4-16 ng/mL (QC tested).

SDS-PAGE

Image 2. Human TRAIL R1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.