Datasheet for ABIN7198488

TNFRSF21 Protein (Fc Tag)

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Overview

Quantity:	100 µg
Target:	TNFRSF21
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF21 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human DR6/TNFRSF21 Protein (Fc Tag)(Active)
Sequence:	Met 1-Leu 350
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Leu 350) of human DR6 (NP_055267.1) precursor was expressed with the fused Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.2. Immobilized recombinant human DR6-Fc at 10 µg/mL (100 µl/well) can bind biotinylated human APP-Fc with a linear range of 0.03-0.25 µg/mL.

Target Details

Target:	TNFRSF21
Alternative Name:	DR6/TNFRSF21 (TNFRSF21 Products)
Background:	Background: TNFRSF21 (death receptor-6, DR6) is an orphan TNF receptor superfamily member and belongs to a subgroup of receptors called death receptors. This type I transmembrane receptor possesses four extracellular cysteine-rich motifs and a cytoplasmic death domain. DR6 is an extensively posttranslationally modified transmembrane protein and that N- and O-glycosylations of amino acids in its extracellular part. DR6 interacts with the adaptor protein TRADD and mediates signal transduction through its death domain, and expression of DR6 in mammalian cells induces activation of both NF-kappaB and JNK and cell apoptosis. DR6 knockout mice have enhanced CD4+ T cell proliferation and Th2 cytokine production, suggested that DR6 serves as an important regulatory molecule in T-helper cell activation, and is involved in inflammation and immune regulation. DR6 is expressed ubiquitously with high expression in lymphoid organs, heart, brain and pancreas. Some tumor cells overexpress DR6, typically in conjunction with elevated anti-apoptosis molecules. DR6 may also be involved in tumor cell survival and immune evasion, which is subject to future investigations. Synonym: Tumor Necrosis Factor Receptor Superfamily Member 21, Death Receptor 6, CD358, TNFRSF21, DR6
Molecular Weight:	60.3 kDa
NCBI Accession:	NP_055267
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20°C for 3 months.