Datasheet for ABIN7319434

TNFSF14 Protein (mFc Tag)

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Overview

Quantity:	50 µg
Target:	TNFSF14
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF14 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human TNFSF14/LIGHT Protein (mFc Tag)
Sequence:	Ile84-Val240(Lys214Glu)
Characteristics:	Recombinant Human LIGHT is produced by our Mammalian expression system and the target gene encoding Ile84-Val240(Lys214Glu) is expressed with a mFc tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TNFSF14
Alternative Name:	TNFSF14/LIGHT (TNFSF14 Products)
Background:	Background: Human TNFSF14 Protein, also known as LIGHT, belongs to a member of the tumor necrosis factor (TNF) ligand family. It can bind to NFRSF3/LTBR. It is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and it is also

Target Details

	known as a herpesvirus entry mediator ligand (HVEML). TNFSF14 encodes a protein with a 37 aa cytoplasmic domain, 21aa transmembrane domain and 182 aa extracellular region. The gene is predominantly expressed in the spleen and also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines. TNFSF14 protein was found to probably function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. Studies have shown that this protein can prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. Synonym: CD258,HVEML,LIGHT,LTg,TR2,Tumor necrosis factor ligand superfamily member 14, Herpes virus entry mediator ligand, TNFSF14, HVEM-L, LIGHT
Molecular Weight:	43.3 kDa
UniProt:	O43557
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 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.