

Datasheet for ABIN7597363

TNFSF14 Protein (AA 99-330) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	TNFSF14
Protein Characteristics:	AA 99-330
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF14 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse LIGHT protein with N-terminal human Fc tag
Sequence:	hFc(Glu99-Ala330) Mouse LIGHT(Asp72-Val239)
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	TNFSF14
Alternative Name:	LIGHT (TNFSF14 Products)
Background:	LTg, HVEM-L, TNFSF14, Ly113, HVEM-L, Tnlg1d Predicted to enable cysteine-type endopeptidase inhibitor activity involved in apoptotic process, cytokine activity, and identical protein binding activity. Acts upstream of or within several processes, including T cell costimulation, positive regulation of T cell chemotaxis, and positive

Target Details

	regulation of myoblast fusion. Predicted to be located in plasma membrane. Predicted to be active in extracellular space. Used to study IgA glomerulonephritis. Orthologous to human TNFSF14 (TNF superfamily member 14). [provided by Alliance of Genome Resources, Nov 2024]
Molecular Weight:	predicted molecular mass of 44.5 kDa after removal of the signal peptide.
UniProt:	Q9QYH9
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months