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37-1371: Mouse TNFSF14 / LIGHT / CD258 Recombinant Protein (His Tag)(Discontinued)

Reactivity :	Mouse
Alternative Name :	HVEM-L Protein, Mouse; HVEML Protein, Mouse; LIGHT Protein, Mouse; LTg Protein, Mouse; Ly113 Protein, Mouse

Description

Source : Baculovirus-Insect Cells
LIGHT, also known as TNFSF14 or CD258, is a newly identified member of the TNF superfamily (TNFSF14) that is expressed by activated T lymphocytes, monocytes, granulocytes, spleen cells, and immature dendritic cells. TNFSF14 / LIGHT / CD258 is a type II transmembrane protein that is known to bind 2 membrane-bound TNFSF signaling receptors: HVEM, which is predominantly expressed by T cells, and lymphotoxin beta receptor (LTbetaR), which is expressed by stromal cells and nonlymphoid hematopoietic cells. TNFSF14 / LIGHT / CD258 also binds to a soluble nonsignaling receptor, decoy receptor 3 (DcR3), which can modulate the function of LIGHT in vivo. TNFSF14 / LIGHT / CD258 can also costimulate T cell responses via HVEM, which is constitutively expressed in most lymphocyte subpopulations, including CD4+ and CD8+ T cells. In addition, TNFSF14 / LIGHT / CD258 has been shown to suppress tumor formation in vivo and to induce tumor cell apoptosis via the up-regulation of intercellular adhesion molecule 1 and an increased lymphocyte adhesion to cancer cells. Thus, TNFSF14 / LIGHT / CD258 is being actively investigated as a possible basis for cancer treatment. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

Product Info

Amount :	Mouse TNFSF14 / LIGHT / CD258 Recombinant Protein (His Tag)(Discontinued) / 100 µg
Purification :	> 95 % as determined by SDS-PAGE.
Content :	Formulation Lyophilized from sterile 20 mM Tris, pH 8.0, 500 mM NaCl, 10 % gly. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Asp72-Val239

Application Note

Endotoxin :< 1.0 EU per Ã‚µg protein as determined by the LAL method.

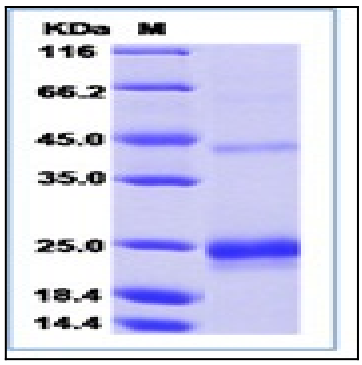

Fig 1: Mouse TNFSF14 / LIGHT / CD258 Recombinant Protein (His Tag)