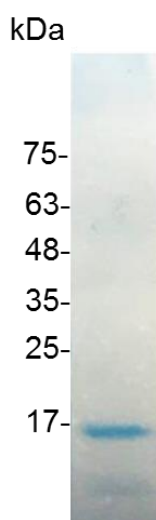


PRODUCT INFORMATION

LIGHT, Human

Catalog number	C01056-5UG / C01056-20UG / C01056-100UG
Package	5 µg / 20 µg / 100 µg
Description	LIGHT is a member of the TNF family of ligands, and can conduct signaling through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LTβR, or binding to a decoy receptor, DcR3. LIGHT generally expresses in splenocytes, activated PBL, CD8+ tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT can also activate NF-κB, to co-stimulate the activation of lymphocytes and induce apoptosis in certain human tumor cells.
Source	<i>Escherichia coli</i>
Sequence	MRLGEMVTRLPGDPAGSWEQLIQERRSHEVNPA AHLTGANSSLTGSGGPLLW ETQLGLAFLRGLSYHDGALVVTKAGYYYIYSKVQLGGVGCPLGLASTITHGLYK RTPRYPEELELLVSQQSPCGRATSSSRVWWDSSFLGGVWHLEAGEKVVVRVL DERLVRLRDGTRS YFGAFMV with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce cytotoxicity in HT-29 cells in the presence of IFN-gamma. The ED ₅₀ for this effect is <23 ng/mL. Measure by its ability to induce proliferation in HUVEC cells . The ED ₅₀ for this effect is <3 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 0.1% sarkosyl in 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within two weeks after protein reconstitution.



SDS-PAGE analysis of recombinant human LIGHT

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