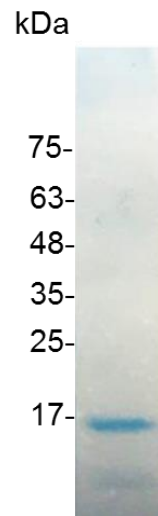


LIGHT, Human

v. 231001

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	MRLGEMVTRLPGPAGSWEQLIQERRSHEVNPA AHLTGANSSLTGSGGPLLW ETQLGLAFLRGLSYHDGALVVTKAGYYYIYSKVQLGGVGCPLGLASTITHGLYK RTPRYPEEELLELLVSQQSPCGRATSSSRVWWDSSFLGGVVHLEAGEKVVVRVL DERLVRLRDGTRSIFYGAFMV 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- γ . 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.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS containing 0.1% sarkosyl, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human LIGHT

For research use only.