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32-20636: Recombinant Human LIGHT(Discontinued)

Alternative Name : TNFSF14, HVEM-L

Description

Source:Â Hi-5 Insect cells
LIGHT belongs to the TNF family of ligands, and can signal through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LTBeta R, or bind to a decoy receptor, DcR3. It is expressed in splenocytes, activated PBL, CD8+ tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT has the ability to activateÂ NF-kB, to co-stimulate the activation of lymphocytes and to induce apoptosis in certain human tumor cells. The human LIGHT gene encodes for a 240 amino acid type II transmembrane protein containing a 37 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 182 amino acid extracellular domain. Recombinant Human LIGHT has a calculated mass of 19.3 kDa, containing 177 amino acid residues. Due to glycosylation, LIGHT migrates between 20.0-22.5 kDa by SDS-PAGE under non-reducing conditions.

Product Info

Amount : 3 µg / 15 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : RLGEMVTRLP DGPAGSWEQL IQERRSHEVN PAAHLTGANS SLTGSGGPLL WETQLGLAFL RGLSYHDGAL VVTKAGYYYI YSKVQLGGVG CPLGLASTIT HGLYKRTPRY PEELELLVSQ QSPCGRATSS SRVWWDSSFL GGVVHLEAGE KVVVRVLDER LVRLRDGTRS YFGAFMV

Application Note

Determined by its ability to induce IL-8 secretion in human BEAS-2B cells.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.