

RMCH057

Recombinant LIGHT, Human , AF



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s) : TNFSF14, HVEM-L, CD258, LTg

Activity:

Measure by its ability to induce cytotoxicity in HT-29 cells in the presence of IFN-gamma.

The ED50 for this effect is <23 ng/mL.

Measure by its ability to induce proliferation in HUVEC cells.

The ED50 for this effect is <3 ng/mL.

Protein 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.

Protein Accession : O43557.2

Gene ID : 8740

Expression Sequence:

MRLGEMVTRLPDGPAGSWEQLIQERRSHEVNPAAHLTGANSSLTGSGGPLLWETQLGLAFLRGLSYHDGALVVTKAGYYYIYSKVQLG
GVGCPLGLASTITHGLYKRTPRYPELELLVSQQSPCGRATSSSRVWWDSSFLGGVVHLEAGEKVVVRVLDERLRLRDGTRSYPGFAM
V with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 μg of the protein by the LAL method.

Calculated Molecular Weight : 20.30 kDa

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 H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

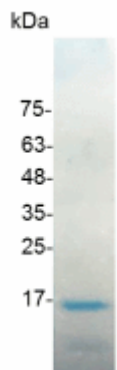
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human LIGHT