

Recombinant Human LIGHT
Catalog # PBG10272**Specification**

Recombinant Human LIGHT - Product Information**Recombinant Human LIGHT - Additional Information****Description**

LIGHT belongs to the TNF family of ligands, and can signal through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LT β R, or bind to a decoy receptor, DcR3. It is expressed in splenocytes, activated PBL, CD+8 tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT has the ability to active NF κ B, to co-stimulate the activation of lymphocytes and to induce apoptosis in certain human tumor cells. 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.

Biological Activity

Determined by its cytotoxic effect on HT-29 cells (human colon adenocarcinoma cells) in the presence of human IFN-gamma.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human LIGHT is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human LIGHT - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Recombinant Human LIGHT - Images