

### **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 $\beta$ 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 $\kappa$ 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  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

## **Protein Content**

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

## **Storage**

-20°C

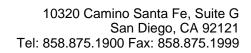
### **Precautions**

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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> **Recombinant Human LIGHT - Images**