

For Research Use Only

# Anti-Human LIGHT/CD258 Rabbit scFv Antibody, PBS Only

Catalog Number: SF98063-1-PBS



## Basic Information

Catalog Number:  
SF98063-1-PBS

Source:  
Rabbit

Type:  
scFv

Immunogen Catalog Number:  
EG32095

GenBank Accession Number:  
NM\_003807

GeneID (NCBI):  
8740

Full Name:  
tumor necrosis factor (ligand)  
superfamily, member 14

Calculated MW:  
26KD

Purification Method:  
Affinity purification

CloneNo.:  
240694D7

## Applications

Tested Applications:  
FC, Indirect ELISA

Species Specificity:  
human

## Background Information

LIGHT, also known as TNFSF14, HVEM, or CD258, is a type II transmembrane protein that belongs to the TNF superfamily (PMID: 9462508). It is predominantly expressed in lymphoid tissues and produced by activated T cells and immature dendritic cells (DCs) (PMID: 9462508; 10754304). Through its two primary functional receptors HVEM (TNFRSF14) and lymphotoxin  $\beta$  receptor (LT  $\beta$  R), LIGHT signaling is involved in development and maintenance of lymphoid tissues, as well as innate and adaptive immune responses (PMID: 24575096; 26720335). In addition to the membrane form, LIGHT can also exist as a soluble form generated by cleavage of the extracellular portion of the membrane form.

## Storage

Storage:  
Store at  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

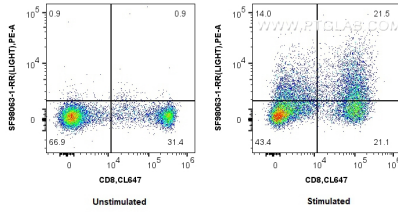
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

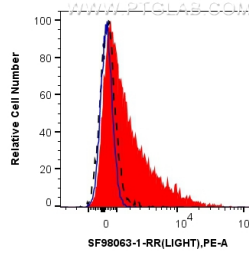
W: [ptgcn.com](http://ptgcn.com)

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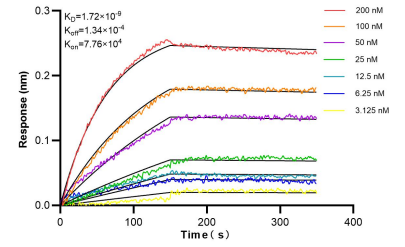
## Selected Validation Data



1x10<sup>6</sup> untreated or PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human LIGHT/CD258 Rabbit scFv Antibody (SF98063-1-RR, Clone: 240694D7) and PE Anti-6<sup>th</sup>His, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were then stained with CL647 Anti-Human CD8. Cells were not fixed. This data was developed using the same antibody clone with SF98063-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug anti-human LIGHT/CD258 Recombinant Antibody (SF98063-1-RR, Clone: 240694D7) (red) or 0.25 ug Rabbit IgG Isotype Control Rabbit scFv Antibody (SF98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6<sup>th</sup>His, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 0.25 ug anti-human LIGHT/CD258 Recombinant Antibody



Bioluminescence resonance energy transfer (BRET) kinetic assays of SF98063-1-RR against Human LIGHT/CD258 were performed. The affinity constant is 1.72 nM.