

For Research Use Only

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

Catalog Number: 98063-1-PBS



## Basic Information

Catalog Number:

98063-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_003807

GeneID (NCBI):

8740

UNIPROT ID:

O43557

Full Name:

tumor necrosis factor (ligand) superfamily, member 14

Calculated MW:

26KD

Purification Method:

Protein A purification

CloneNo.:

240694D7

## Applications

Tested Applications:

FC

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

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

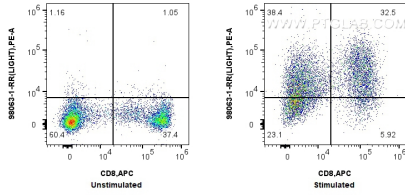
T: 4006900926

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

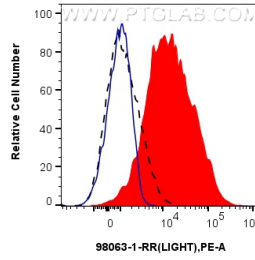
W: [ptgcn.com](http://ptgcn.com)

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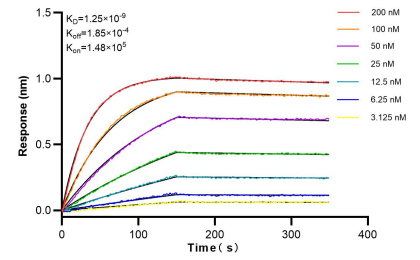
## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated human PBMCs were stained with 0.25 ug Anti-Human LJGT/CD258 Rabbit Recombinant Antibody (98063-1-RR, Clone:240694D7) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L). Cells were then stained with APC Anti-Human CD8a. Cells were not fixed. This data was developed using the same antibody clone with 98063-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> untreated (black) or PMA, Ionomycin and Brefeldin A treated (red) human PBMCs were stained with 0.25 ug Anti-Human LJGT/CD258 Rabbit Recombinant Antibody (98063-1-RR, Clone:240694D7) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98063-1-PBS in a different storage buffer formulation.



Bioluminescence resonance energy transfer (BLI) kinetic assays of 98063-1-RR against Human LJGT/CD258 were performed. The affinity constant is 1.25 nM.