

For Research Use Only

# Anti-Human LIGHT/CD258 Rabbit Recombinant Antibody

Catalog Number: 98063-1-RR



## Basic Information

Catalog Number:

98063-1-RR

Size:

100ug, 1000 µg/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 (TNFSF14) 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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

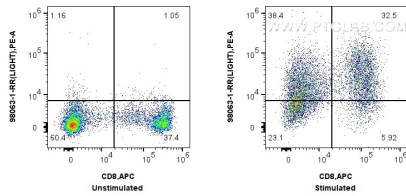
For technical support and original validation data for this product please contact:

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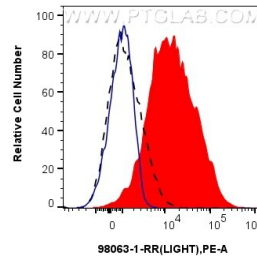
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated human PBMCs were stained with 0.25 ug Anti-Human LIGHT/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.



1x10<sup>6</sup> untreated (black) or PMA, Ionomycin and Brefeldin A treated (red) human PBMCs were stained with 0.25 ug Anti-Human LIGHT/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.