

For Research Use Only

# CoraLite®594 Anti-Human LIGHT/CD258 Rabbit Recombinant Antibody

Catalog Number: CL594-98063



## Basic Information

Catalog Number:

CL594-98063

Concentration:

100tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG32095

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

Recommended Dilutions:

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl  
suspension

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : PMA and ionomycin treated human PBMCs,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

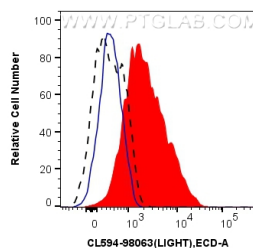
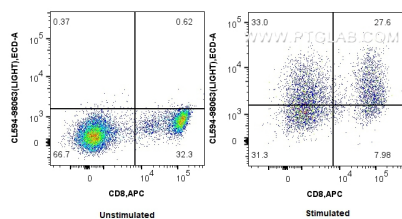
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, ionomycin and Brefeldin A treated human PBMCs were surface stained with APC Anti-Human CD8a and 5 ul CoraLite®594 Anti-Human LIGHT/CD258 Rabbit RecAb (CL594-98063, Clone: 240694D7). Cells were not fixed.

1x10<sup>6</sup> PMA, ionomycin and Brefeldin A treated human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human LIGHT/CD258 Rabbit RecAb (CL594-98063, Clone: 240694D7) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human LIGHT/CD258 Rabbit RecAb (CL594-98063, Clone: 240694D7) (black, dashed). Cells were