

For Research Use Only

CoraLite® Plus 647 Anti-Human LIGHT/CD258 Rabbit scFv Antibody

Catalog Number: CL647-SF98063



Basic Information

Catalog Number:

CL647-SF98063

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

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 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 β receptor (LT β 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:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

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

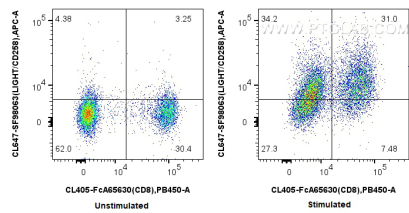
T: 4006900926

E: Proteintech-CN@ptglab.com

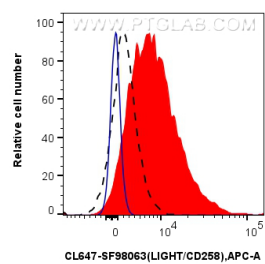
W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated (left) or PMA and ionomycin treated (right) human PBMCs were surface stained with CoraLite® Plus 405 Anti-Human CD8 (SK1) and 0.25 ug CoraLite® Plus 647 Anti-Human LIGHT/CD258 Rabbit scFv Antibody (CL647-SF98063, Clone: 240694D7). Cells were not fixed.



1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Human LIGHT/CD258 Rabbit scFv Antibody (CL647-SF98063, Clone: 240694D7) (red) or 0.25 ug CoraLite® Plus 647 Rabbit scFv Isotype Control (CL647-SF98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug CoraLite® Plus 647 LIGHT/Cd258 Recombinant Antibody (CL647-SF98063, Clone: 240694D7) (black,

