

For Research Use Only

Anti-Mouse LIGHT/CD258 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98627-1-PBS



Basic Information

Catalog Number: 98627-1-PBS	GenBank Accession Number: NM_019418.3	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 50930	CloneNo.: 250481H2
Source: Rabbit	UNIPROT ID: Q9QYH9	
Isotype: IgG	Full Name: tumor necrosis factor (ligand) superfamily, member 14	
Immunogen Catalog Number: EG2654	Calculated MW: 26 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

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 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 -80°C .
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

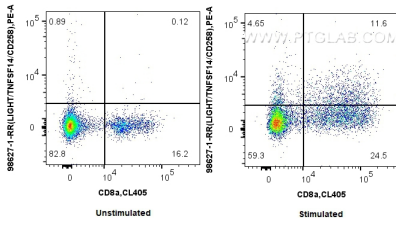
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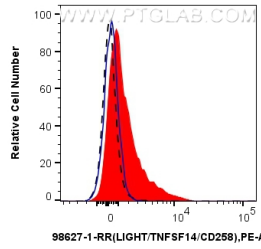
W: ptgcn.com

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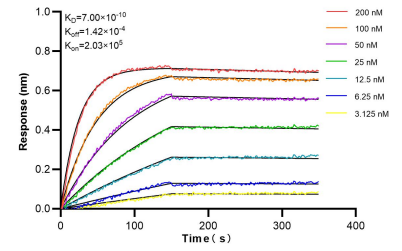
Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse LIGHT/CD258 Rabbit RecAb (98627-1-RR, Clone: 250481H2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 405 Anti-Mouse CD8a. Cells were not fixed. This data was developed using the same antibody clone with 98627-1-PBS in a different storage buffer formulation.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse LIGHT/CD258 Rabbit RecAb (98627-1-RR, Clone: 250481H2) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse LIGHT/CD258 Rabbit RecAb (98627-1-RR, Clone:250481H2)(black, dashed) and PE-Conjugated Goat Anti-Rabbit



Bi-layer interferometry (BLI) kinetic assays of 98627-1-RR against Mouse LIGHT/CD258 were performed. The affinity constant is 0.700 nM.