

For Research Use Only

LIGHT Polyclonal antibody

Catalog Number: 14194-1-AP



Basic Information

Catalog Number: 14194-1-AP	GenBank Accession Number: BC018058	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8740	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: tumor necrosis factor (ligand) superfamily, member 14	
Isotype: IgG	Calculated MW: 26 kDa	
Immunogen Catalog Number: AG5380		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human spleen tissue,
Species Specificity: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 (LTβR), 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

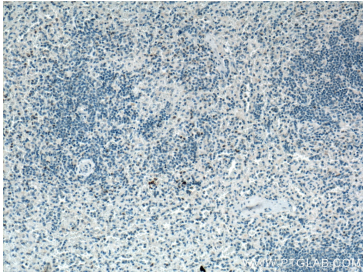
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

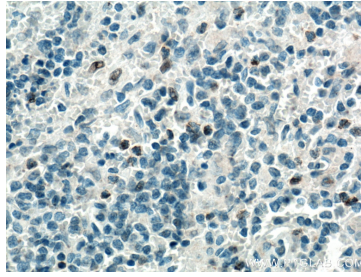
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 14194-1-AP (TNFSF14 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 14194-1-AP (TNFSF14 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).