

**LIGHT / CD258 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3004a****Specification**

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**LIGHT / CD258 Antibody (internal region) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O43557</a>
Other Accession	<a href="#">NP_003798.2</a> , <a href="#">NP_742011.1</a> , <a href="#">8740</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	26350

**LIGHT / CD258 Antibody (internal region) - Additional Information****Gene ID** 8740**Other Names**

Tumor necrosis factor ligand superfamily member 14, Herpes virus entry mediator ligand, HVEM-L, Herpesvirus entry mediator ligand, CD258, Tumor necrosis factor ligand superfamily member 14, membrane form, Tumor necrosis factor ligand superfamily member 14, soluble form, TNFSF14, HVEML, LIGHT

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

LIGHT / CD258 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**LIGHT / CD258 Antibody (internal region) - Protein Information****Name** TNFSF14**Synonyms** HVEML, LIGHT

**Function**

Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Acts as a ligand for TNFRSF14/HVEM (PubMed:<a href="http://www.uniprot.org/citations/10754304" target="\_blank">10754304</a>, PubMed:<a href="http://www.uniprot.org/citations/9462508" target="\_blank">9462508</a>). Upon binding to TNFRSF14/HVEM, delivers costimulatory signals to T cells, leading to T cell proliferation and IFNG production (PubMed:<a href="http://www.uniprot.org/citations/10754304" target="\_blank">10754304</a>).

**Cellular Location**

[Tumor necrosis factor ligand superfamily member 14, membrane form]: Cell membrane;  
Single-pass type II membrane protein [Isoform 2]: Cytoplasm.

**Tissue Location**

Predominantly expressed in the spleen but also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines.

**LIGHT / CD258 Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**LIGHT / CD258 Antibody (internal region) - Images**

AF3004a (1 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**LIGHT / CD258 Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_003798.2; NP\_742011.1).

**LIGHT / CD258 Antibody (internal region) - References**

LIGHT is constitutively expressed on T and NK cells in the human gut and can be induced by CD2-mediated signaling Cohavy O, Zhou J, Ware CF, Targan SR J. Immunol. 2005 Jan 174 (2): 646-53 PMID: 15634882