



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09588 - Goat Anti-LIGHT / CD258 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TNFSF14, tumor necrosis factor (ligand) superfamily, member 14, CD258, HVEM, LIGHT, LTg, TR2, delta transmembrane LIGHT, herpesvirus entry mediator A, ligand for herpesvirus entry mediator, tumor necrosis factor ligand superfamily, member 14, tumor necrosis factor receptor-like 2, tumor necrosis factor superfamily member LIGHT

**Official Symbol:** TNFSF14

**Accession Number(s):** NP\_003798.2; NP\_742011.1

**Human GeneID(s):** [8740](#)

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

### Immunogen

Peptide with sequence C-HEVNPAHLTGANS, from the internal region of the protein sequence according to NP\_003798.2; NP\_742011.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 20-22kDa band observed in Human Cerebellum and Frontal Cortex Brain lysates (calculated MW of 22.4kDa according to NP\_742011.1) Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and membrane of HeLa cells. Recommended concentration: 10µg/ml.

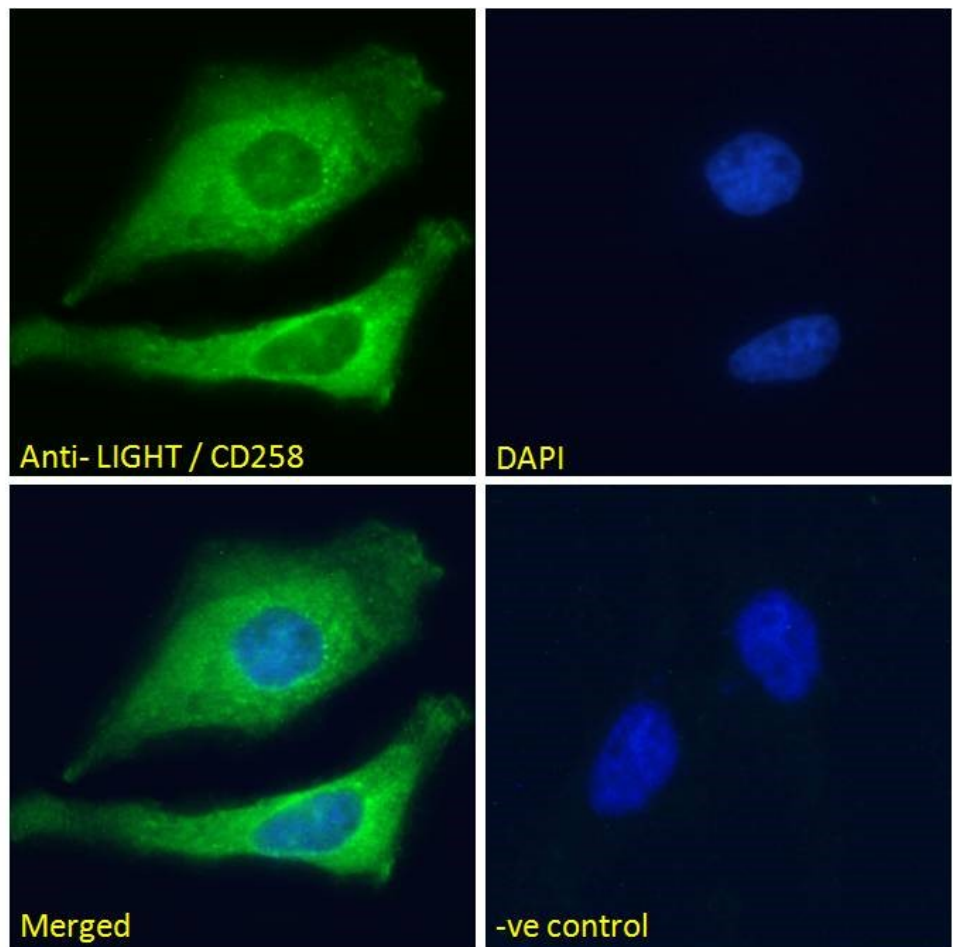
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB09588 (0.03 $\mu$ g/ml) staining of Human Cerebellum (A) and Frontal Cortex (B) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB09588 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing cytoplasmic

and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).