

**Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067)  
Recombinant Antibody  
Catalog # APR10705****Specification**

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**Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">O92956</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) - Additional Information**

**Target/Specificity**  
TNFSF14 / LIGHT / CD258

**Endotoxin**  
< 0.001EU/ µg, determined by LAL method.

**Conjugation**  
Unconjugated

**Expression system**  
CHO Cell

**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

**Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) - Protein Information**

**Name** TNFRSF14 ([HGNC:11912](#))

**Function**  
Receptor for four distinct ligands: The TNF superfamily members TNFSF14/LIGHT and homotrimeric LTA/lymphotoxin-alpha and the immunoglobulin superfamily members BTLA and CD160, altogether defining a complex stimulatory and inhibitory signaling network (PubMed: [10754304](http://www.uniprot.org/citations/10754304), PubMed: [18193050](http://www.uniprot.org/citations/18193050), PubMed: [23761635](http://www.uniprot.org/citations/23761635), PubMed: [9462508](http://www.uniprot.org/citations/9462508)). Signals via the TRAF2-TRAF3 E3 ligase pathway to promote immune cell survival and differentiation (PubMed: [19915044](http://www.uniprot.org/citations/19915044), PubMed: [9153189](http://www.uniprot.org/citations/9153189), PubMed: [9162022](http://www.uniprot.org/citations/9162022)). Participates in bidirectional cell-cell contact signaling between antigen presenting cells and lymphocytes. In

response to ligation of TNFSF14/LIGHT, delivers costimulatory signals to T cells, promoting cell proliferation and effector functions (PubMed:<a href="http://www.uniprot.org/citations/10754304" target="\_blank">10754304</a>). Interacts with CD160 on NK cells, enhancing IFNG production and anti-tumor immune response (PubMed:<a href="http://www.uniprot.org/citations/23761635" target="\_blank">23761635</a>). In the context of bacterial infection, acts as a signaling receptor on epithelial cells for CD160 from intraepithelial lymphocytes, triggering the production of antimicrobial proteins and pro-inflammatory cytokines (By similarity). Upon binding to CD160 on activated CD4+ T cells, down- regulates CD28 costimulatory signaling, restricting memory and alloantigen-specific immune response (PubMed:<a href="http://www.uniprot.org/citations/18193050" target="\_blank">18193050</a>). May interact in cis (on the same cell) or in trans (on other cells) with BTLA (By similarity) (PubMed:<a href="http://www.uniprot.org/citations/19915044" target="\_blank">19915044</a>). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (By similarity) (PubMed:<a href="http://www.uniprot.org/citations/19915044" target="\_blank">19915044</a>).

### Cellular Location

Cell membrane; Single-pass type I membrane protein

### Tissue Location

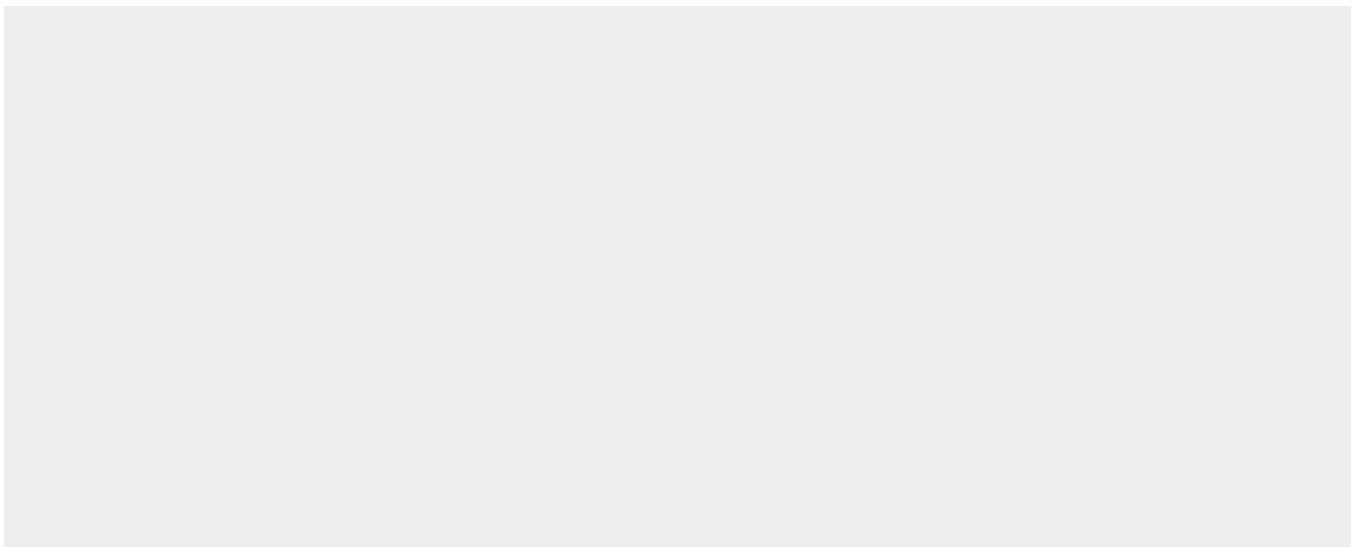
Widely expressed, with the highest expression in lung, spleen and thymus. Expressed in a subpopulation of B cells and monocytes (PubMed:18193050). Expressed in naive T cells (PubMed:19915044).

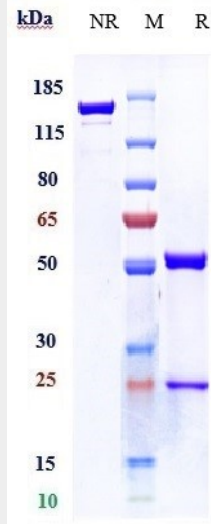
## Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) - Protocols

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

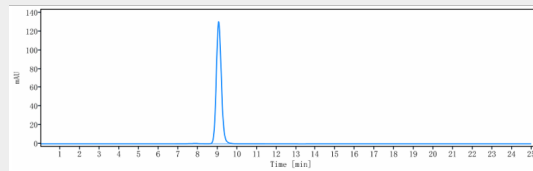
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) - Images





Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-TNFSF14 / LIGHT / CD258 Reference Antibody (SAR252067) is more than 95% ,determined by SEC-HPLC.