

**TNFSF15 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11879c****Specification**

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**TNFSF15 Antibody (Center) - Product Information**

Application	IF, WB, FC,E
Primary Accession	<a href="#">O95150</a>
Other Accession	<a href="#">NP_005109.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	148-175

**TNFSF15 Antibody (Center) - Additional Information****Gene ID** 9966**Other Names**

Tumor necrosis factor ligand superfamily member 15, TNF ligand-related molecule 1, Vascular endothelial cell growth inhibitor, Tumor necrosis factor ligand superfamily member 15, membrane form, Tumor necrosis factor ligand superfamily member 15, secreted form, TNFSF15, TL1, VEGI

**Target/Specificity**

This TNFSF15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-175 amino acids from the Central region of human TNFSF15.

**Dilution**

IF~~1:10~50  
WB~~1:1000  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

TNFSF15 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TNFSF15 Antibody (Center) - Protein Information****Name** TNFSF15

**Synonyms** TL1, VEGI

**Function** Receptor for TNFRSF25 and TNFRSF6B. Mediates activation of NF-kappa-B. Inhibits vascular endothelial growth and angiogenesis (in vitro). Promotes activation of caspases and apoptosis.

**Cellular Location**

Membrane; Single-pass type II membrane protein

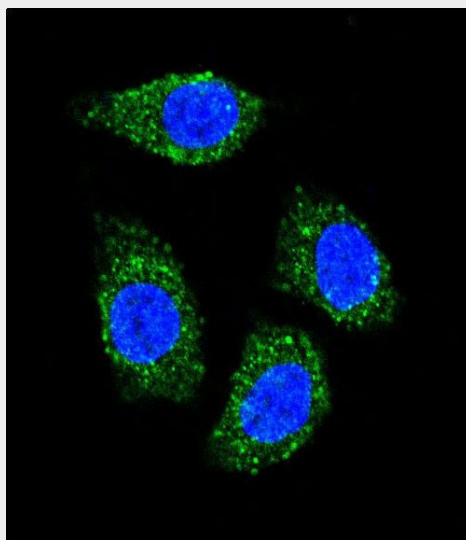
**Tissue Location**

Specifically expressed in endothelial cells. Detected in monocytes, placenta, lung, liver, kidney, skeletal muscle, pancreas, spleen, prostate, small intestine and colon

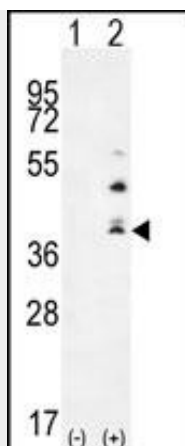
**TNFSF15 Antibody (Center) - Protocols**

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

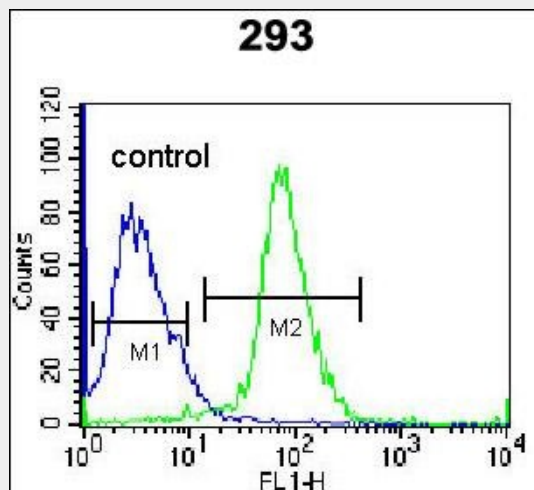
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TNFSF15 Antibody (Center) - Images**

Confocal immunofluorescent analysis of TNFSF15 Antibody (Center) (Cat. #AP11879c) with HeLa cell followed by Alexa Fluor® 489-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of TNFSF15 (arrow) using rabbit polyclonal TNFSF15 Antibody (Center) (Cat. #AP11879c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TNFSF15 gene.



TNFSF15 Antibody (Center) (Cat. #AP11879c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **TNFSF15 Antibody (Center) - Background**

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. An additional isoform encoded by an alternatively spliced transcript variant has been reported but the sequence of this transcript has not been determined. [provided by RefSeq].

#### **TNFSF15 Antibody (Center) - References**

Amre, D.K., et al. Hum. Genet. 128(2):131-135(2010)

Heidemann, S.C., et al. J. Clin. Immunol. 30(4):531-538(2010)

McLaren, J.E., et al. J. Immunol. 184(10):5827-5834(2010)

Davila, S., et al. Genes Immun. 11(3):232-238(2010)

Nakagome, S., et al. Ann. Hum. Genet. 74(2):126-136(2010)