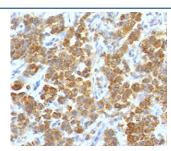


# TL1A Antibody / VEGI / TNFSF15 [clone TLRM1-1] (V7227)

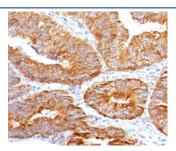
Catalog No.	Formulation	Size
V7227-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7227-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7227SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

## **Bulk quote request**

Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TLRM1-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	O95150
Gene ID	9966
Localization	Cytoplasmic, cell surface, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This TL1A antibody is available for research use only.



IHC testing of FFPE human parathyroid tumor with TL1A antibody (clone TLRM1-1). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human colon carcinoma with TL1A antibody (clone TLRM1-1). Staining of FFPE tissue requires boiling sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.

### **Description**

Vascular endothelial growth inhibitor (VEGI), also known as TNF-like ligand 1A (TL1A) and TNF superfamily member 15 (TNFSF15), is protein that in humans is encoded by the TNFSF15 gene. TL1A/VEGI is an anti-angiogenic protein. It belongs to tumor necrosis factor (ligand) superfamily, where it is member 15. It is the sole known ligand for death receptor 3, and it can also be recognized by decoy receptor 3.

TL1A 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-alpha and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 (death receptor 3) and TNFRSF6B (decoy receptor 3). It can activate both the NF-ΰB and MAPK signalling pathways, 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. [Wiki]

## **Application Notes**

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the TL1A antibody to be titered up or down for optimal performance.

#### **Immunogen**

A full length human recombinant protein was used as the immunogen for this TL1A antibody.

#### **Storage**

Store the TL1A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (3)