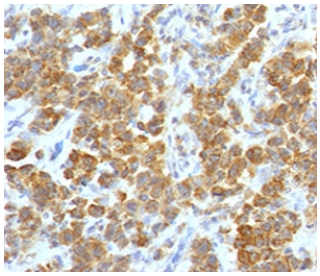
TL1A Antibody for IHC / VEGI [clone TLRM1-1] (V7227)

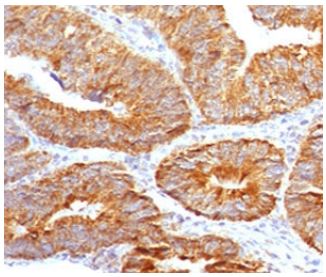
Catalog No.	Formulation	Size
V7227-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7227-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7227SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
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.



TL1A Antibody for IHC Parathyroid Tumor. Immunohistochemistry of TL1A antibody in human parathyroid tumor tissue. FFPE human parathyroid lesion demonstrates diffuse cytoplasmic and membranous HRP-DAB brown staining within tumor cells, consistent with VEGI / TNFSF15 expression in endocrine-associated tissue. Clone TLRM1-1 was used as a monoclonal antibody for detection. Heat-induced epitope retrieval was performed by boiling sections in 10 mM Tris with 1 mM EDTA, pH 9, for 10-20 minutes followed by cooling at room temperature for 20 minutes prior to staining.



TL1A Antibody for IHC Colon Carcinoma. Immunohistochemistry of TL1A antibody in human colon carcinoma tissue. FFPE human colon carcinoma demonstrates strong membranous and cytoplasmic HRP-DAB brown staining within gland-forming tumor epithelial cells, consistent with VEGI / TNFSF15 localization in epithelial and vascular-associated compartments. Clone TLRM1-1 was used as a monoclonal antibody for detection. Heat-induced epitope retrieval was performed by boiling sections in 10 mM Tris with 1 mM EDTA, pH 9, for 10-20 minutes followed by cooling at room temperature for 20 minutes prior to staining.

Description

TL1A antibody recognizes Tumor necrosis factor ligand superfamily member 15, also known as VEGI, a cytokine encoded by the TNFSF15 gene. TL1A is a type II transmembrane protein belonging to the tumor necrosis factor ligand superfamily and is primarily expressed by endothelial cells and activated immune cells. TL1A Antibody for IHC is developed to detect endogenous VEGI in formalin-fixed, paraffin-embedded tissues for research applications focused on inflammatory signaling and angiogenic regulation.

VEGI functions as a ligand for death receptor 3, also known as TNFRSF25, activating downstream signaling pathways that regulate T cell activation, cytokine production, and apoptosis-associated mechanisms. Through this receptor interaction, TNFSF15 plays a central role in modulating adaptive immune responses, particularly in T helper cell differentiation and effector activity. In addition to immune regulation, TL1A exerts anti-angiogenic effects by inhibiting endothelial cell proliferation and influencing vascular remodeling.

The TNFSF15 gene is located on chromosome 9q32 and encodes a membrane-bound protein that can be proteolytically processed to generate a soluble form. TL1A expression has been documented in vascular endothelium and inflamed tissues, and dysregulated TNFSF15 signaling has been associated with inflammatory bowel disease, autoimmune disorders, and tumor-associated vascular changes. In oncology research, VEGI has been studied for its capacity to suppress tumor angiogenesis by limiting vascular support within the tumor microenvironment.

Because TL1A bridges vascular biology and immune activation, it remains an important target for studies examining endothelial-immune interactions and cytokine-driven inflammation in both normal and disease contexts.

Clone TLRM1-1 is a monoclonal antibody that recognizes TL1A and is suitable for detecting VEGI expression in immunohistochemical analyses of human tissue specimens.

For additional TL1A / TNFSF15 / VEGI research antibodies targeting inflammatory cytokine signaling and TNF superfamily immune pathways, explore the broader TL1A Antibody page featuring recombinant rabbit monoclonal clone rVEGI/1283.

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)

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