

Anti-TNFSF15 Neutralizing Antibody (V3S-0522-YC1996)

Cat. No.: V3S-0522-YC1996

Summary

Description	This product is a monoclonal antibody derived from Mouse (<i>Mus musculus</i>), which can specifically recognize TNF Superfamily Member 15. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human, Mouse
Immunogen	Recombinant protein and the TL1A expressing cell line
Affinity	KD = 79 pM, determined by surface plasmon resonance.
Isotype	IgG
Isotype Control	C35500
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C13172; C32251; C50005

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application	Inhib; Neut
Application Notes	The antibody is recommended for detection of TNFSF15 by Inhib, Neut assays.

Target

Target	TNFSF15
Alternative Name	TNF Superfamily Member 15; Vascular Endothelial Cell Growth Inhibitor; TNF Ligand-Related Molecule 1; Tumor Necrosis Factor (Ligand) Superfamily, Member 15; Vascular Endothelial Growth Inhibitor-192A; TNF Superfamily Ligand TL1A; VEGI; TL1
Gene ID	9966
UniProt	Q95150
Introduction	TNF Superfamily Member 15 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand and 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.
Research Area	Cardiovascular; Immunology
Related Disease	Inflammatory Bowel Disease

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