

Product Information

MemDX™ Recombinant Mouse TL1A Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-036**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Mouse TL1A in VLPs form. This product is produced from mammalian cells by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species

Mouse

Target Protein

TL1A

Protein Length

Full length

Protein Class

Cytokine; Immune Checkpoint

TMD

1

Product Description

Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems

HEK293 expression system

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Storage

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

Target

Target Protein

TL1A

Full Name

Tumor necrosis factor (ligand) superfamily, member 15

Introduction

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. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

TL; VE; TI1; TI1a; Vegi; Tnlg1b; Tnfsf15; tumor necrosis factor ligand superfamily member 15; TNF ligand-related molecule 1; bM20K13.3 (tumor necrosis factor (ligand) superfamily, member 15); tumor necrosis factor ligand 1b; vascular endothelial cell growth inhibitor; vascular endothelial growth inhibitor

Gene ID

[326623](#)

UniProt ID

[Q5UBV8](#)