

# Product Information

## MemDX™ Antibody Discovery - Human GITR Ligand / TNFSF18 (50-177) Membrane Protein, Partial, Avi- hIgG1 Fc- tag, [Biotin]

Cat. No.: **MP0148F**

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

This membrane protein is Human GITR Ligand / TNFSF18 (50-177). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Human

#### Target Protein

GITR Ligand / TNFSF18

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 43.5 kDa. The protein migrates as 45-53 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Gln 50 - Ser 177 (Accession # AAH69319.1).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA

#### Expression Systems

HEK293

#### Tag

Avi tag at the N-terminus, followed by a human IgG1 Fc tag.

#### Protein Format

Soluble

#### Form

LYOPH

### **Reconstitution**

Please see Certificate of Analysis for specific instructions.

### **Endotoxin**

<1.0 EU/µg by the LAL method

### **Conjugation**

Biotin

### **Purity**

>90% as determined by SDS-PAGE.

### **Buffer**

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

### **Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

## **Target**

### **Target Protein**

GITR Ligand / TNFSF18

### **Full Name**

TNF superfamily member 18

### **Introduction**

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells.

### **Alternative Names**

TL6; AITRL; GITRL; TNLG2A; hGITRL; tumor necrosis factor ligand superfamily member 18; AITR ligand; GITR ligand; activation-inducible TNF-related ligand; glucocorticoid-induced TNF-related ligand; glucocorticoid-induced TNFR-related protein ligand; tumor necrosis factor (ligand) superfamily, member 18; tumor necrosis factor ligand 2A; tumor necrosis factor superfamily member 18

### **Gene ID**

[8995](#)

### **UniProt ID**

[Q9UNG2](#)