

**TIGIT Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22132a****Specification**

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**TIGIT Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q495A1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	26319

**TIGIT Antibody - Additional Information****Gene ID** 201633**Other Names**

T-cell immunoreceptor with Ig and ITIM domains, V-set and immunoglobulin domain-containing protein 9, V-set and transmembrane domain-containing protein 3, TIGIT, VSIG9, VSTM3

**Target/Specificity**

This TIGIT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 12-142 amino acids from human TIGIT.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TIGIT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TIGIT Antibody - Protein Information****Name** TIGIT**Synonyms** VSIG9, VSTM3

**Function** Binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting

the generation of mature immunoregulatory dendritic cells.

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

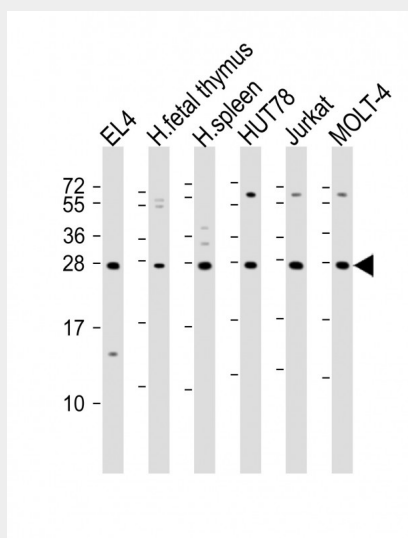
Expressed at low levels on peripheral memory and regulatory CD4+ T-cells and NK cells and is up-regulated following activation of these cells (at protein level)

### TIGIT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TIGIT Antibody - Images



All lanes : Anti-TIGIT Antibody at 1:2000 dilution Lane 1: EL4 whole cell lysate Lane 2: human fetal thymus lysate Lane 3: human spleen lysate Lane 4: HUT78 whole cell lysate Lane 5: Jurkat whole cell lysate Lane 6: MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### TIGIT Antibody - Background

Binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells.

### TIGIT Antibody - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Yu X.,et al.Nat. Immunol. 10:48-57(2009).  
Stengel K.F.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:5399-5404(2012).