

## Product datasheet for **CF813032**

### TIGIT Mouse Monoclonal Antibody [Clone ID: OTI9A12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9A12
Applications:	FC
Recommended Dilution:	FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TIGIT (NP_776160) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26.1 kDa
Gene Name:	T cell immunoreceptor with Ig and ITIM domains
Database Link:	<a href="#">NP_776160</a> <a href="#">Entrez Gene 201633 Human</a> <a href="#">Q495A1</a>



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**Background:**

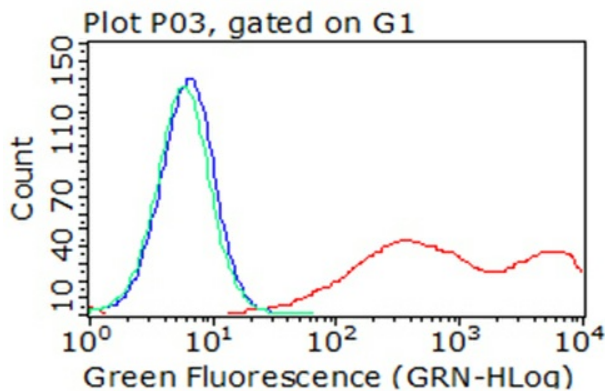
This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses. [provided by RefSeq, Sep 2009]

**Synonyms:**

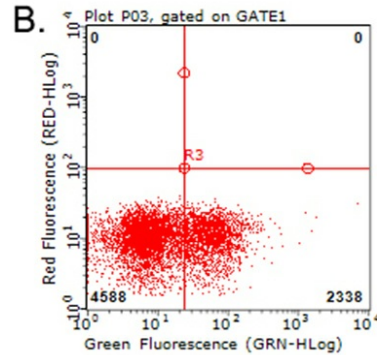
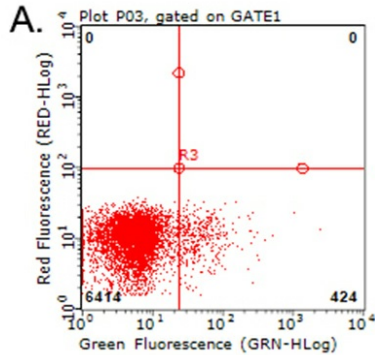
VSIG9; VSTM3; WUCAM

**Protein Families:**

Transmembrane

**Product images:**


Flow cytometric analysis of living 293T cells transfected with TIGIT overexpression plasmid ([RC221447]), Red/empty vector ([PS100001], Blue) using anti-TIGIT antibody ([TA813032]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-TIGIT antibody ([TA813032]) (1:100).