

Product datasheet for **TA813029M**

TIGIT Mouse Monoclonal Antibody [Clone ID: OTI3A10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A10
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:1000 FLOW 1:100 IHC 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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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:	NP_776160 Entrez Gene 201633 Human Q495A1



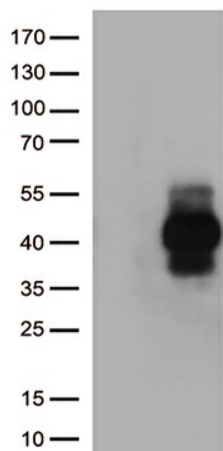
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Background: This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to 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]

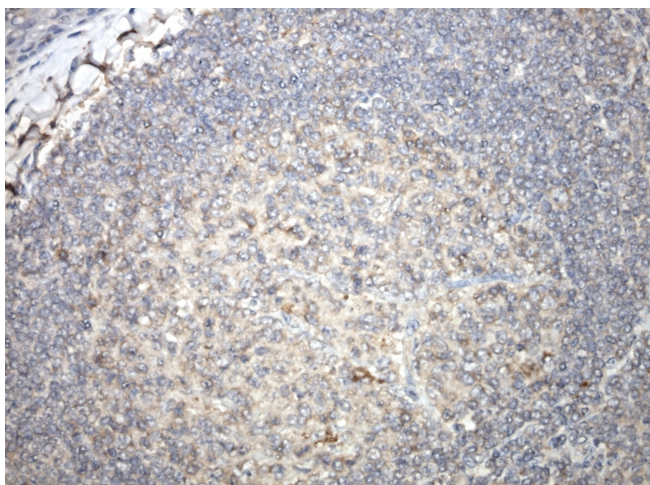
Synonyms: VSIG9; VSTM3; WUCAM

Protein Families: Transmembrane

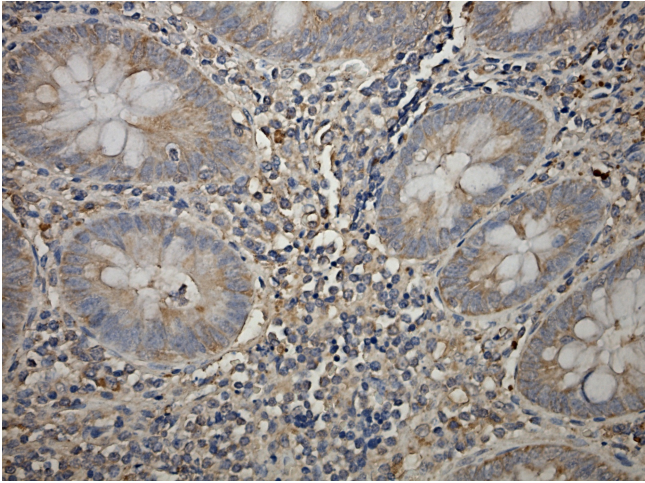
Product images:



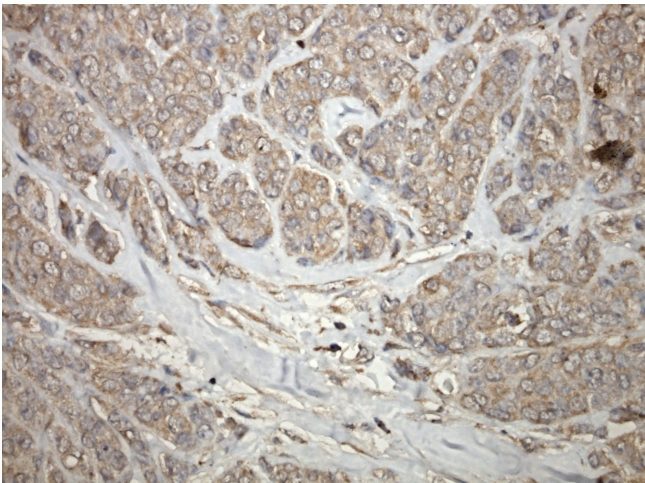
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TIGIT ([RC221447], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TIGIT (1:1000).



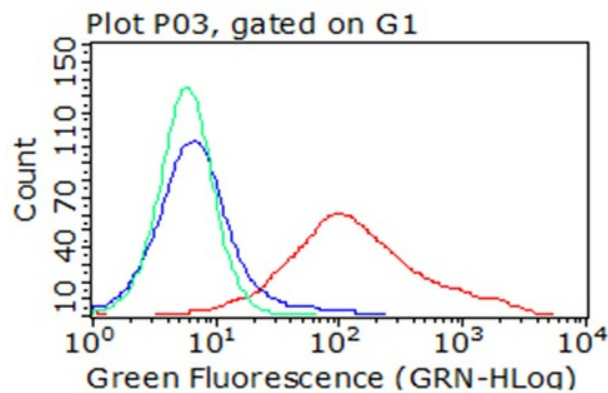
Immunohistochemical staining of paraffin-embedded normal tonsil using TIGIT antibody [TA813029] clone OTI3A10 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-TIGIT at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded normal appendix using TIGIT antibody [TA813029] clone OTI3A10 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-TIGIT at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded breast cancer using TIGIT antibody [TA813029] clone OTI3A10 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-TIGIT at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Flow cytometric analysis of living 293T cells transfected with TIGIT overexpression plasmid ([RC221447]), Red)/empty vector ([PS100001], Blue) using anti-TIGIT antibody ([TA813029]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).