

**ARG57744**  
anti-TIGIT antibody [4A11]Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [4A11] recognizes TIGIT
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	TIGIT
Species	Human
Immunogen	Synthetic peptide around the extracellular domain of Human TIGIT.
Conjugation	Un-conjugated
Alternate Names	TIGIT; T Cell Immunoreceptor With Ig And ITIM Domains; VSIG9; VSTM3; V-Set And Immunoglobulin Domain-Containing Protein 9; V-Set And Transmembrane Domain-Containing Protein 3; T-Cell Immunoreceptor With Ig And ITIM Domains; DKFZp667A205; VSIG9, VSTM3; FLJ39873; V-Set And Immunoglobulin Domain Containing 9; Washington University Cell Adhesion Molecule 3; V-Set And Transmembrane Domain Containing 3; WUCAM

### Application Instructions

Application table	Application	Dilution
	FACS	1 µg/ml
	ICC/IF	1 µg/ml
	IHC-P	2 µg/ml
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

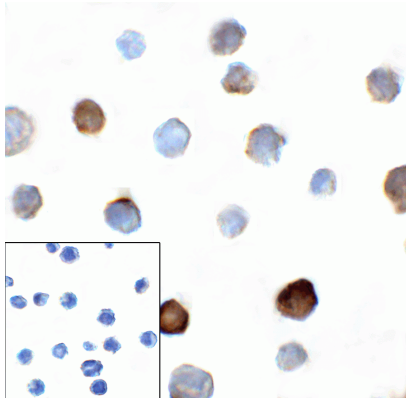
**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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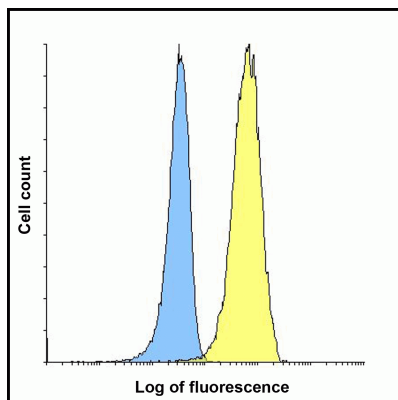
Gene Symbol	TIGIT
Gene Full Name	T cell immunoreceptor with Ig and ITIM domains
Background	This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The 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.
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.
Calculated Mw	26 kDa
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Cell membrane, Membrane

## Images



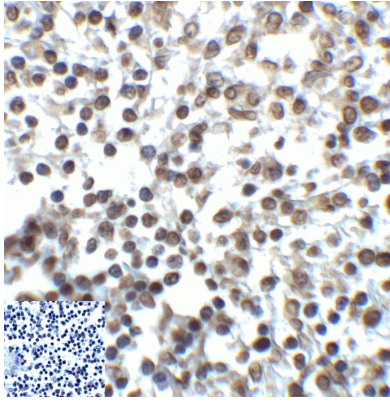
ARG57744 anti-TIGIT antibody [4A11] ICC/IF image

Immunocytochemistry: TIGIT over expressing HEK293 cells stained with ARG57744 anti-TIGIT antibody [4A11] and control Mouse IgG antibody (corner box) at 1 µg/ml dilution.



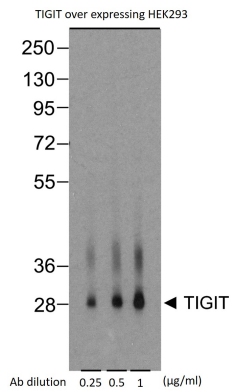
ARG57744 anti-TIGIT antibody [4A11] FACS image

Flow Cytometry: Untransfected (blue) and TIGIT over expressing HEK293 cells (yellow) stained with ARG57744 anti-TIGIT antibody [4A11] at 1 µg/ml dilution.



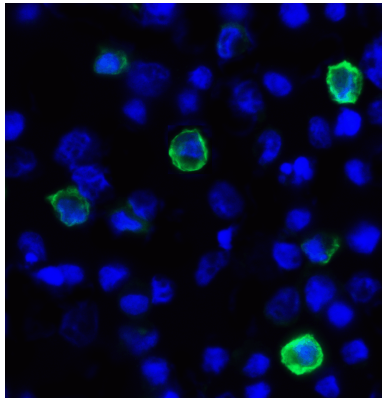
#### ARG57744 anti-TIGIT antibody [4A11] IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach carcinoma tissue stained with ARG57744 anti-TIGIT antibody [4A11] and control Mouse IgG (corner box) at 2  $\mu$ g/ml dilution.



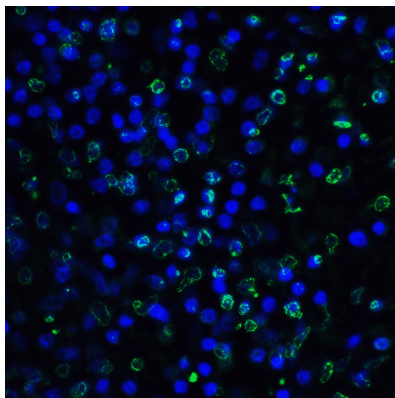
#### ARG57744 anti-TIGIT antibody [4A11] WB image

Western blot: TIGIT over expressing HEK293 cells stained with ARG57744 anti-TIGIT antibody [4A11] at 0.25, 0.5 or 1  $\mu$ g/ml dilution.



#### ARG57744 anti-TIGIT antibody [4A11] ICC/IF image

Immunofluorescence: TIGIT over expressing HEK293 cells stained with ARG57744 anti-TIGIT antibody [4A11] at 1  $\mu$ g/ml dilution.



#### ARG57744 anti-TIGIT antibody [4A11] IHC image

Immunohistochemistry: Human stomach carcinoma tissue stained with ARG57744 anti-TIGIT antibody [4A11] at 5  $\mu$ g/ml dilution.