

ARG57744
anti-TIGIT antibody [4A11]Package: 25 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

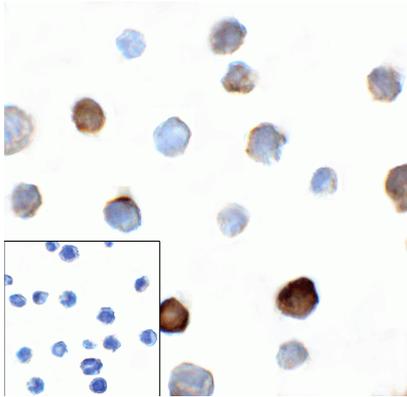
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

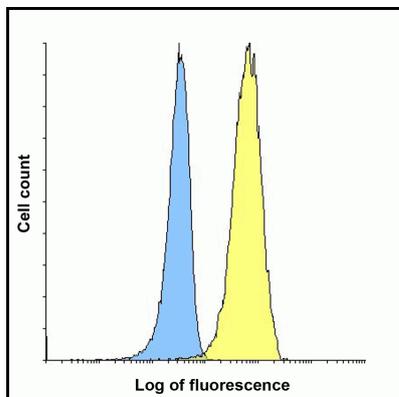
Gene Symbol	TIGIT
Gene Full Name	T cell immunoreceptor with Ig and ITIM domains
Background	This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The 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



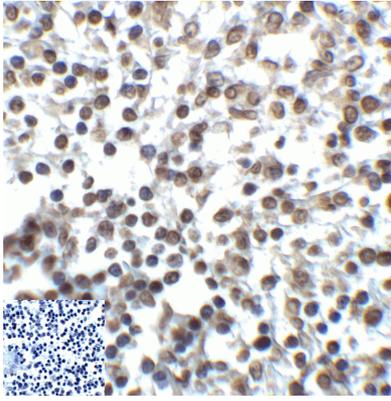
ARG57744 anti-TIGIT antibody [4A11] ICC/IF image

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



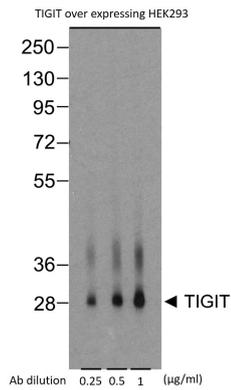
ARG57744 anti-TIGIT antibody [4A11] FACS image

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



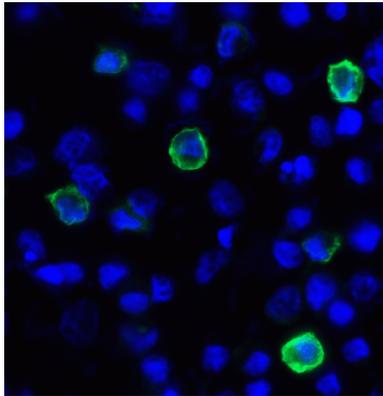
ARG57744 anti-TIGIT antibody [4A11] IHC-P image

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



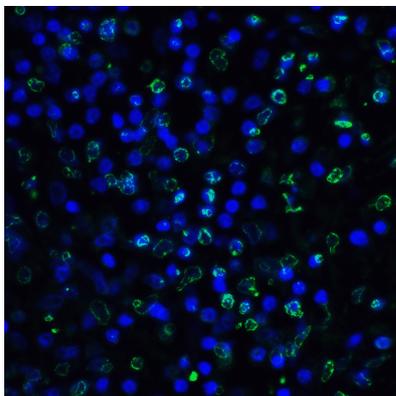
ARG57744 anti-TIGIT antibody [4A11] WB image

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



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

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



ARG57744 anti-TIGIT antibody [4A11] IHC image

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