

DATASHEET

TIGIT Rabbit Monoclonal Antibody (ARM579)

CAT. NO. ARM6869

KEY FEATURES

Target	TIGIT	Clone ID	ARM579
Source / Host	Rabbit	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

TIGIT is an immune receptor present on some T cells and Natural Killer cells. TIGIT 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. Through the CD226/TIGIT-PVR pathway, TIGIT regulates T cell mediated immunity. In cancer, TIGIT and PD-1 have been shown to be over-expressed on tumor antigen-specific CD8+ T cells and CD8+ tumor infiltrating lymphocytes (TILs) from individuals with melanoma. Blockade of TIGIT and PD-1 led to increased cell proliferation, cytokine production, and degranulation of tumour antigen-specific CD8+ T cells and TIL CD8+ T cells. It can be considered an immune checkpoint.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	
Positive Control	Spleen
Localization	Cytoplasmic; Membranous
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	TIGIT
Entrez Gene ID	201633
Uniprot	Q495A1
Alternative Names	VSIG9; VSTM3; T-cell immunoreceptor with Ig and ITIM domains; V-set and immunoglobulin domain-containing protein 9; V-set and transmembrane domain-containing protein 3

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA IHC Data**RESEARCH USE ONLY**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / tigit-mouse-monoclonal-antibody-arm579-arm6869](http://www.arexbio.com/tigit-mouse-monoclonal-antibody-arm579-arm6869)