

anti-Human TIGIT Antibody | anti-TIGIT antibody

Anti-TIGIT [AET2010]

CATALOG # AAA72363	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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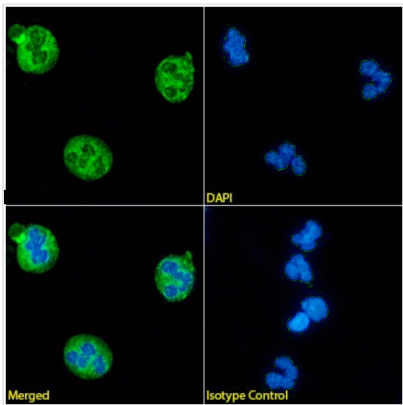
PRODUCT SYNONYMS

TIGIT; Anti-TIGIT [AET2010]; VSTM3; VSIG9; WUCAM; T-cell immunoreceptor with Ig and ITIM domains; V-set and immunoglobulin domain-containing protein 9; V-set and transmembrane domain-containing protein 3; anti-TIGIT antibody

PRODUCT SPECIFICATIONS

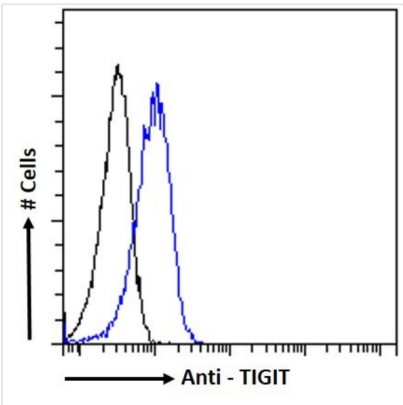
Reactivity	Human
Isotype	Rabbit IgG lambda
Clone Number	AET2010
Specificity	This antibody binds the human TIGIT (T cell immunoreceptor with Ig and ITIM domains). TIGIT is a type I transmembrane protein that is a member of the CD28 family within the Ig superfamily of proteins. It is an immune receptor present on some T cells and natural killer cells (NK). It binds the poliovirus receptor (PVR) with high affinity 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.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TIGIT antibody	Blocking, FCM/FACS (Flow Cytometry), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of human peripheral blood leucocytes with anti-TIGIT antibody AET2010 . Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leucocytes on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of AET2010 (AAA72363) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72363, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-TIGIT antibody AET2010 . Human peripheral blood leucocytes were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of AET2010 (AAA72363, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-TIGIT antibody	The original antibody was isolated from a fully synthetic human single chain antibody phage display library by multiple rounds of bio panning against human TIGIT. This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-TIGIT antibody	cancer; oncology; HIV infection; T-cell mediated immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	121943253
NCBI GeneID	201633
UniProt Accession #	Q495A1; Q495A3; Q5JPD8; Q6MZS2; Q8N877
Molecular Weight	18,432 Da
NCBI Official Full Name	T-cell immunoreceptor with Ig and ITIM domains
NCBI Official Synonym Full Names	T cell immunoreceptor with Ig and ITIM domains
NCBI Official Symbol	TIGIT
NCBI Official Synonym Symbols	VSIG9; VSTM3; WUCAM
NCBI Protein Information	T-cell immunoreceptor with Ig and ITIM domains
UniProt Protein Name	T-cell immunoreceptor with Ig and ITIM domains
UniProt Gene Name	TIGIT
UniProt Synonym Gene Names	VSIG9; VSTM3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.