TIGIT recombinant antibody

Rabbit anti-TIGIT Recombinant Monoclonal Antibody [BLR047F]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213546	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, Immunohistochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

TIGIT; Monoclonal Recombinant Antibody; Rabbit anti-TIGIT Recombinant Monoclonal Antibody [BLR047F]; VSTM3; Washington University cell adhesion molecule; VSIG9; V-set and transmembrane domain containing 3; V-set and immunoglobulin domain-containing protein 9; V-set and immunoglobulin domain containing 9; T-cell immunoreceptor with Ig and ITIM domains; V-set and transmembrane domain-containing protein 3; WUCAM; T cell immunoreceptor with Ig and ITIM domains; TIGIT recombinant antibody

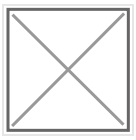
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR047F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free
Concentration	1000ug/ml (varies by lot)
Applicable Applications for TIGIT recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Between 194 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

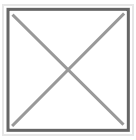
IMAGES

WB (Western Blot)
Detection of human TIGIT by western blot. Samples: Whole cell lysate (10 ug) from HeLa, My-La CD4+, HEK293T, MJ, and Hep-G2 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-TIGIT recombinant monoclonal antibody (AAA213546 lot 6) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .

IHC (Immunohistochemisry)
Detection of human TIGIT (red) by immunohistochemistry. Sample:FFPE section of human tonsil. Antibody: Rabbit anti-TIGIT recombinant monoclonal antibody (AAA213546 lot 1) used at 1:250. Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: Opal. Counterstain: DAPI (blue).



IHC (Immunohiostchemistry)
Detection of human TIGIT by immunohistochemistry. Sample: FFPE section of human tonsil. Antibody: Rabbit anti-TIGIT recombinant monoclonal antibody (AAA213546 lot 1). Secondary: Dylight 594 conjugated goat-anti-rabbit IgG . Counterstain: DAPI (blue).



FCM/FACS (Flow Cytometry)
Detection of human TIGIT (shaded) in MJ cells by flow cytometry. Antibody: Rabbit anti-TIGIT recombinant monoclonal antibody (AAA213546) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for TIGIT recombinant antibody	TIGIT is a member of the PVR (poliovirus receptor) family of immunoglobin proteins and is expressed on several classes of T cells including follicular B helper T cells (TFH). TIGIT 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. [taken from NCBI Entrez Gene (Gene ID: 201633)].
Product Categories/Family for TIGIT recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	256600228
NCBI GeneID	201633
NCBI Accession #	NP_776160.2
NCBI GenBank Nucleotide #	NM_173799.3
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; V-set and transmembrane domain containing 3; V-set and immunoglobulin domain containing 9; Washington University cell adhesion molecule; V-set and transmembrane domain-containing protein 3; V-set and immunog
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.

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