

Product datasheet

Anti-TIGIT antibody [BLR047F] - BSA free ab243903

Recombinant

★★★★☆ [7 Abreviews](#) [16 References](#) [5 Images](#)

Overview

Product name	Anti-TIGIT antibody [BLR047F] - BSA free
Description	Rabbit monoclonal [BLR047F] to TIGIT - BSA free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human TIGIT aa 150 to the C-terminus (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements. NP_776160.2 and Gene ID 201633. Database link: Q495A1
Positive control	IHC-P: Human tonsil tissue
General notes	This product is sold under License from Bethyl Laboratories, Inc.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.8 Preservative: 0.09% Sodium azide Constituent: 99% Borate buffered saline
Purification notes	Recombinant antibody was purified from cell culture supernatant.
Clonality	Monoclonal
Clone number	BLR047F
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab243903 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000.
IHC-P	★★★★★ (5)	1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

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.

Tissue specificity

Expressed at low levels on peripheral memory and regulatory CD4+ T cells and NK cells and is up-regulated following activation of these cells (at protein level).

Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

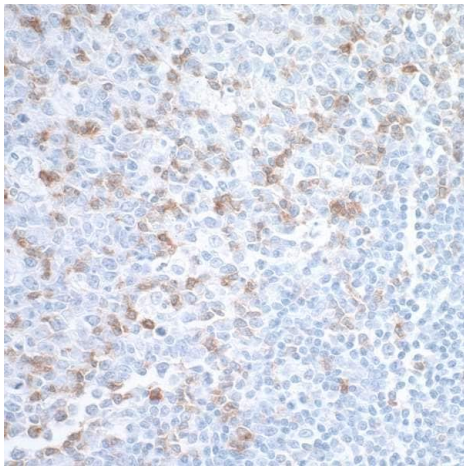
Domain

Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.

Cellular localization

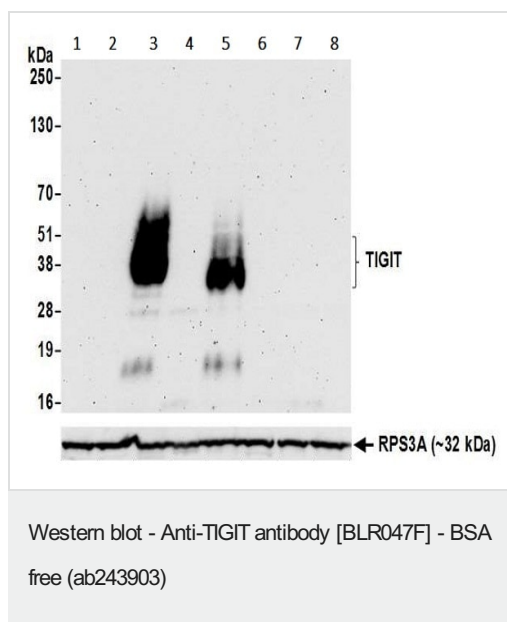
Cell membrane.

Images



Formalin-fixed, paraffin-embedded human tonsil tissue stained for TIGIT using ab243903 at 1/200 dilution in immunohistochemical analysis. A HRP-conjugated goat anti-rabbit antibody was used as the secondary. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIGIT antibody
[BLR047F] - BSA free (ab243903)



Western blot analysis using ab243903 at 1/1000 dilution.

Lane 1: HeLa cell whole cell lysate (50 µg).

Lane 2: HEK-293T cell whole cell lysate (50 µg).

Lane 3: MyLa CD4+ whole cell lysate (50 µg).

Lane 4: HepG2 whole cell lysate (50 µg).

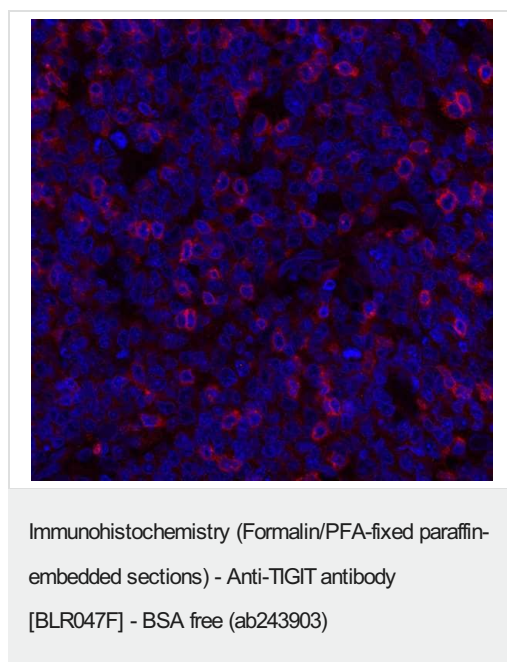
Lane 5: MG whole cell lysate (50 µg).

Lane 6: Jurkat whole cell lysate (50 µg).

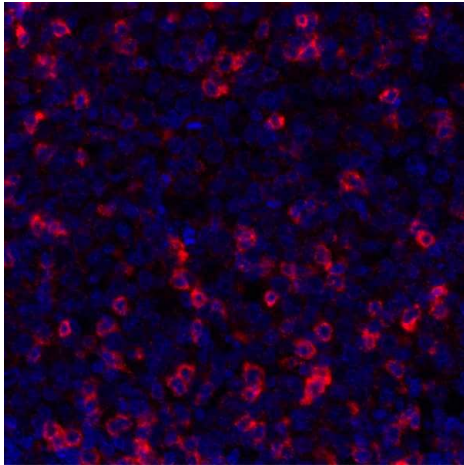
Lane 7: GaMG whole cell lysate (50 µg).

Lane 8: A549 whole cell lysate (50 µg).

A HRP-conjugated goat anti-rabbit IgG antibody was used as the secondary. Detection: chemiluminescence with an exposure time of 3 minutes.



Immunohistochemical analysis of Formalin/PFA-fixed paraffin-embedded human tonsil tissue sections labeling TIGIT with ab243903 (red). Dylight 594 conjugated goat-anti-rabbit IgG was used as secondary antibody. Counterstain: DAPI (blue).



Immunohistochemical analysis of Formalin/PFA-fixed paraffin-embedded human tonsil tissue sections labeling TIGIT with ab243903 at 1/250 (red). HRP-conjugated goat anti-rabbit IgG was used as secondary antibody. Counterstain: DAPI (blue).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIGIT antibody [BLR047F] - BSA free (ab243903)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TIGIT antibody [BLR047F] - BSA free (ab243903)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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