

# TIGIT Recombinant Monoclonal Antibody [BLR047F]

Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_776160.2
Catalog No.	A700-047-T	Uniprot ID	Q495A1
Lot No.	6	GeneID	201633

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<b>APPLICATIONS</b>	WB, IHC, IHC-IF, Flow Cyt
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	10 µl (5+ tests)
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free
<b>ISOTYPE</b>	IgG
<b>CLONE #</b>	BLR047F
<b>ORIGIN</b>	USA

**PRODUCTION PROCEDURES** Recombinant antibody was purified from cell culture supernatant.

Immunogen was a peptide representing a region between residue 194 and the C-terminus (residue 244) of human T-cell immunoreceptor with Ig and ITIM domains precursor (TIGIT) using the numbering given in entry NP\_776160.2 (Gene ID 201633).

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

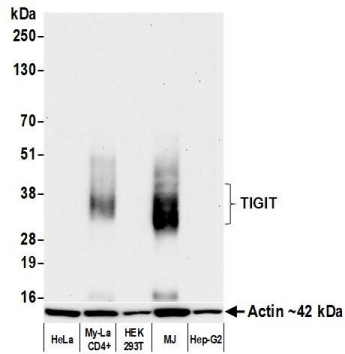
Western Blot	1:1000
Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunofluorescence (IHC)	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Flow Cytometry	Fixed in 4% formaldehyde and permeabilized with 90% methanol. 2 µl per 1 x 10 <sup>6</sup> cells.

**IHC HUMAN CONTROLS** Tonsil

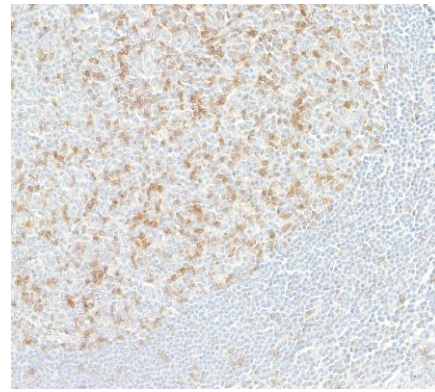
**ADDITIONAL INFO** <https://www.fortislife.com/p/A700-047-T>

Use the link above to view SDS, a current list of citations, and other product specific information.

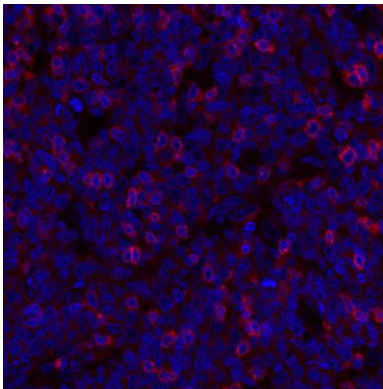
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: May 24, 2023



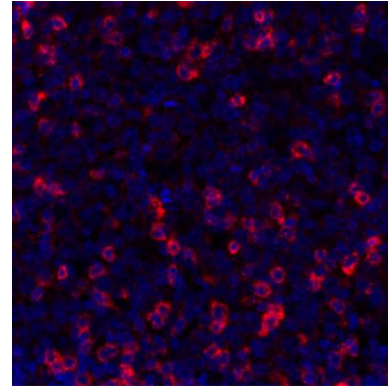
**Detection of human TIGIT by western blot.** *Samples:* Whole cell lysate (10 µg) from HeLa, My-La CD4+, HEK293T, MJ, and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-TIGIT recombinant monoclonal antibody [BLR047F] (A700-047 lot 6) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Detection:* Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).



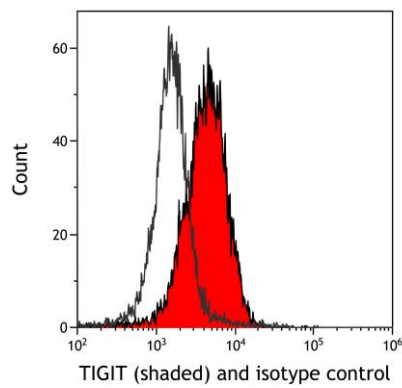
**Detection of human TIGIT by immunohistochemistry.** *Sample:* FFPE section of human tonsil. *Antibody:* Rabbit anti-TIGIT recombinant monoclonal antibody [BLR047F] (A700-047). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



**Detection of human TIGIT (red) in immunohistochemistry.** *Sample:* FFPE section of human tonsil. *Antibody:* Rabbit anti-TIGIT recombinant monoclonal antibody [BLR047F] (A700-047 lot 1). *Secondary:* Dylight 594 conjugated goat-anti-rabbit IgG (A120-101D4). Counterstain: DAPI (blue).



**Detection of human TIGIT (red) by immunohistochemistry.** *Sample:* FFPE section of human tonsil. *Antibody:* Rabbit anti-TIGIT recombinant monoclonal antibody [BLR047F] (A700-047 lot 1) used at 1:250. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* Opal™. *Counterstain:* DAPI (blue).



**Detection of human TIGIT (shaded) in MJ cells by flow cytometry.** *Antibody:* Rabbit anti-TIGIT recombinant monoclonal antibody [BLR047F] (A700-047) or isotype control (unshaded). *Secondary:* DyLight® 488-conjugated goat anti-rabbit IgG (A120-101D2).