

Datasheet for ABIN6939305  
**anti-TIGIT antibody (AA 22-141)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	TIGIT
Binding Specificity:	AA 22-141
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIGIT antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Coating (Coat), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment (around aa 22-141) of human TIGIT protein (exact sequence is proprietary)
Clone:	TIGIT-3017
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	TIGIT
Alternative Name:	TIGIT ( <a href="#">TIGIT Products</a> )

## Target Details

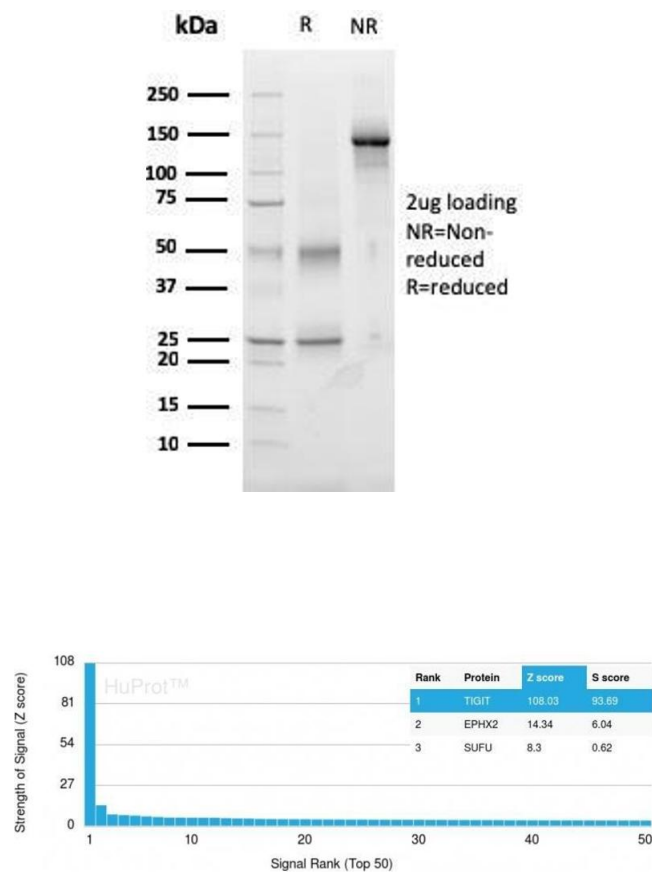
Background:	TIGIT is a checkpoint inhibitor which binds with high affinity to the poliovirus receptor (PVR), causing increased IL10 secretion, decreased IL12B secretion. TIGIT binding to PVR also causes the suppression of T cell activation by promoting the generation of mature immuno-regulatory dendritic cells. It is expressed at low levels on natural killer (NK) cells, as well as peripheral memory and regulatory CD4+ T cells. At the protein level, it is upregulated following the activation of these cells. Functionally, TIGIT is similar to CTLA4. The ligands for TIGIT include CD155 (signal abrogation) and CD226 (signal stimulation). It has been demonstrated to be upregulated on T cells in many cancers and is an immuno-oncology target for therapy.
Molecular Weight:	26kDa
Gene ID:	201633
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

Application Notes:	Positive Control: MOLT-4, Prostate or Colon Carcinoma. Known Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

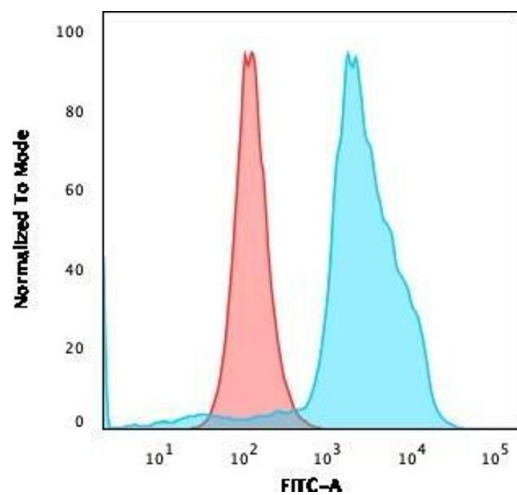


SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Monospecific Mouse Monoclonal Antibody to TIGIT (TIGIT/3017). Confirmation of Integrity and Purity of Antibody.

Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using TIGIT-Monospecific Mouse Monoclonal Antibody (TIGIT/3017). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



### Flow Cytometry

**Image 3.** Flow Cytometric Analysis of PFA-fixed MOLT4 cells. TIGIT-Monospecific Mouse Monoclonal Antibody (TIGIT/3017) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939305.