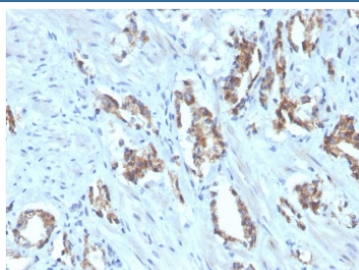


## TIGIT Antibody [clone TIGIT/3106] (V7584BTN)

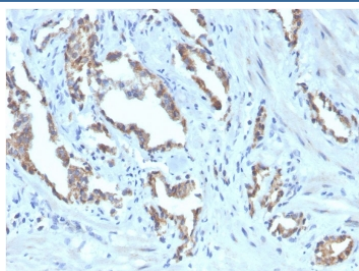
Catalog No.	Formulation	Size
V7584BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Biotin Conjugate
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	TIGIT/3106
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q495A1
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 minutes at RT
<b>Limitations</b>	This TIGIT antibody is available for research use only.

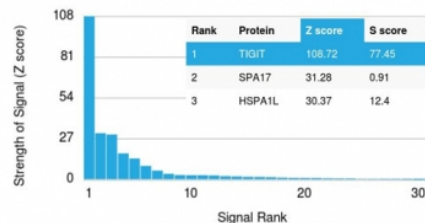


IHC staining of FFPE human prostate carcinoma with biotinylated TIGIT antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

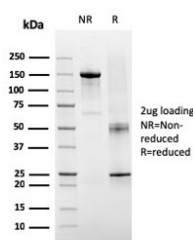


IHC staining of FFPE human prostate carcinoma with biotinylated TIGIT antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

#### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using TIGIT antibody. These results demonstrate the foremost specificity of the TIGIT/3016 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free TIGIT antibody as confirmation of integrity and purity.

## Description

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 a immuno-oncology target for therapy.

## Application Notes

Optimal dilution of the TIGIT antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 22-141 from the human protein was used as the immunogen for the TIGIT antibody.

## Storage

Store the TIGIT antibody at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).