

## TIGIT Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50295

Clone# BP6272

**Predicted Molecular Wt:** 26kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** Q495A1

### Background:

T-cell immunoreceptor with Ig and ITIM domains (TIGIT), also known as VSIG9, VSTM3, and WUCAM, is a member of the poliovirus receptor family of immunoglobulin proteins. TIGIT marks exhausted T cells in the tumor microenvironment and during human immunodeficiency virus (HIV) infection. Research has shown TIGIT interacts with several receptors expressed on antigen presenting cells, such as dendritic cells and macrophages, as well as tumor cells and cells of the microenvironment. TIGIT binds with high affinity to PVR/CD155, and with low affinity to Nectin-2/CD112 and Nectin-3/CD113.

TIGIT is expressed at low levels on subsets of T cells and NK cells, and is upregulated at the protein level following activation of these cells.

### Subcellular location:

Membrane

### Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Recombinant protein fragment of human TIGIT was used as an immunogen. This information is proprietary to Biolynx.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage Conditions:

-25°C to -18°C

### Shipment Instructions:

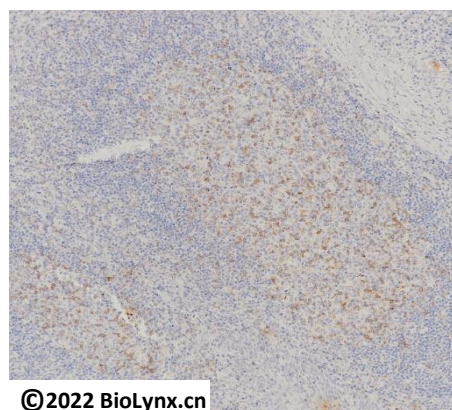
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilution:

IHC-P: 1:100-1:200

### Background References:

- Levin, S.D. et al. (2011) Eur J Immunol 41, 902-15.
- Chauvin, J.M. et al. (2015) J Clin Invest 125, 2046-58.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil labelling TIGIT with BP6272.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.