# TIGIT monoclonal antibody (4A12)

The T cell immunoreceptor with Ig and ITIM domains (TIGIT) is a member of the PVR (poliovirus receptor) family of immunoglobin proteins. It is expressed on several classes of T cells including follicular B helper T cells (TFH). TIGIT has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses. TIGIT is upregulated on exhausted T cells in chronic viral infections and cancer. Blockade of both TIGIT and PD-1 pathways leads to tumor rejection in mice suggesting that it may be of therapeutic use against cancer.

**This antibody is covered by our Worry-Free Guarantee.**

**Citations:** 1 View Online »

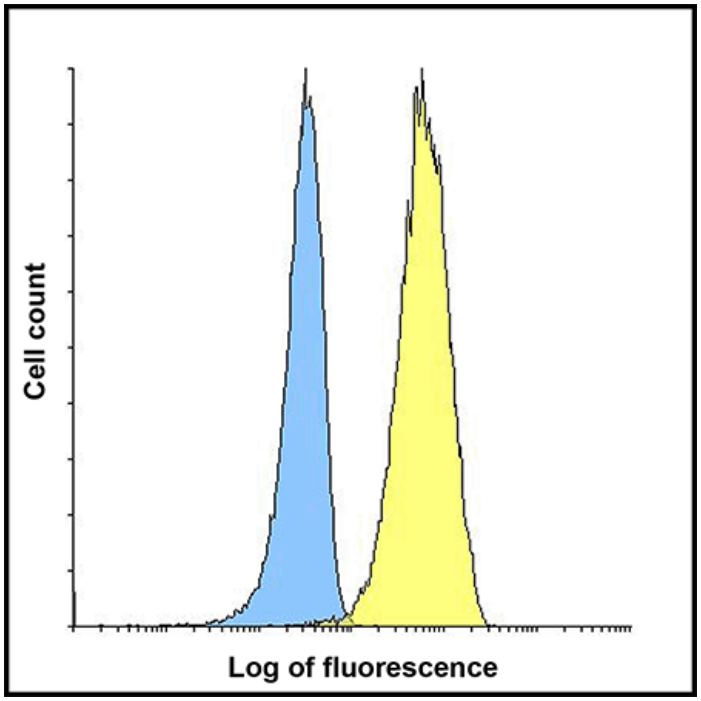
## Ordering Information

Order Online »

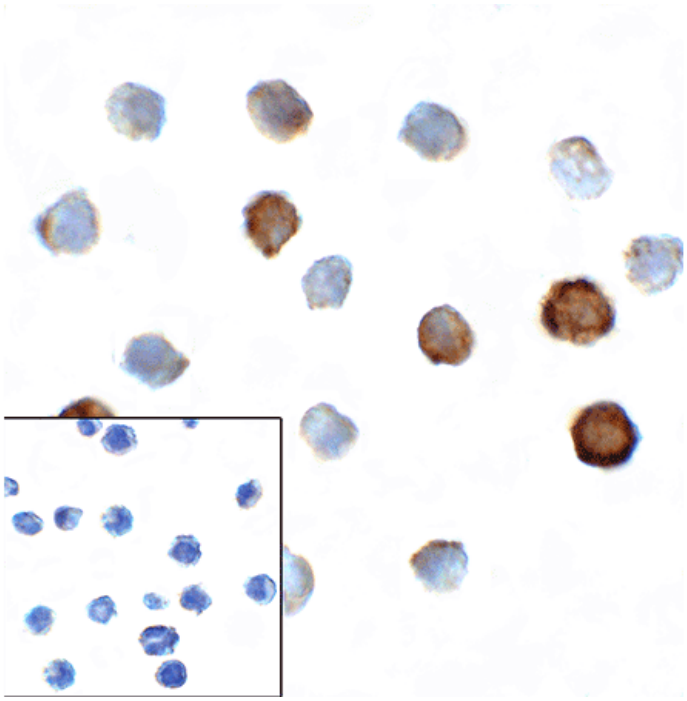
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|---|---|
| **ENZ-ABS698-0100** | 100µg |

## Manuals, SDS & CofA

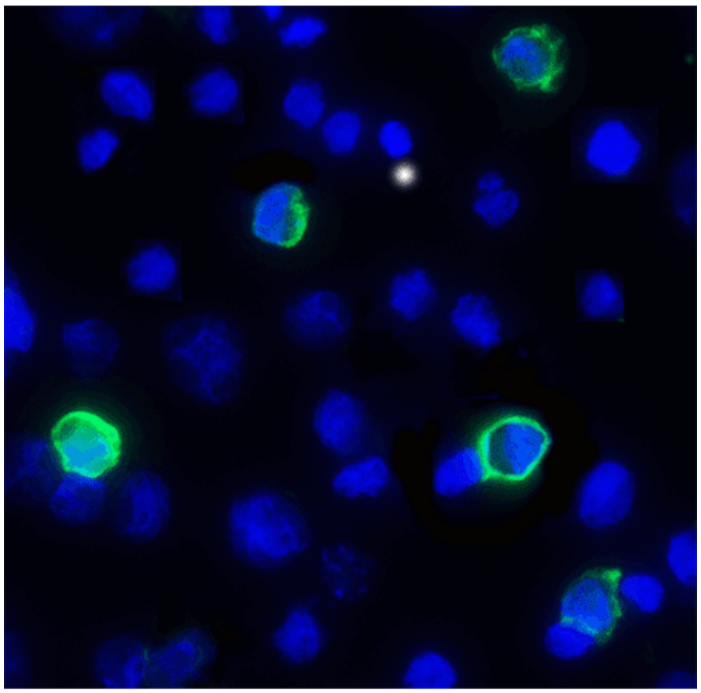
View Online »



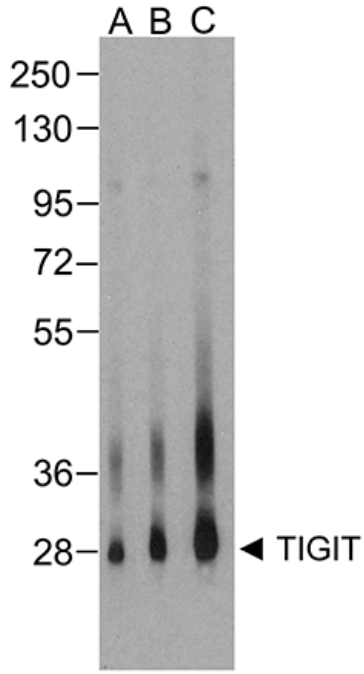

Flow cytometry analysis of TIGIT over expressing HEK293 cells using TIGIT antibody at 1 µg/ml. Blue: untransfected HEK293 cells. Yellow: TIGIT over expressing HEK293 cells.



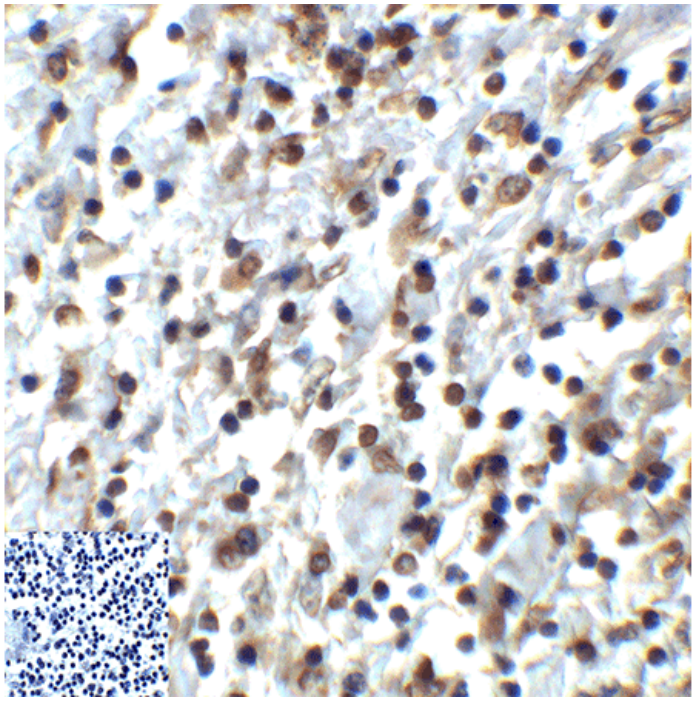
Immunocytochemistry of TIGIT in over expressing HEK293 cells using TIGIT antibody and control mouse IgG antibody (left corner box) at 1 µg/ml.



Immunofluorescence of TIGIT in over expressing HEK293 cells using TIGIT Antibody at 1 µg/ml.
Green: TIGIT Antibody [4A12]
Blue: DAPI staining




Western blot analysis of TIGIT in over expressing HEK293 cells using ENZ-ABS698 antibody at (A) 0.25 µg/ml , (B) 0.5 ug/ml, and (C) 1 µg/ml.



Immunohistochemistry of TIGIT in human stomach carcinoma tissue using TIGIT Antibody and control mouse IgG (corner box) at 2 µg/ml.

## Handling & Storage

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|---|---|
| **Use/Stability** | Stable for at least 1 year after receipt when stored as recommended. |
| **Handling** | Avoid freeze/thaw cycles. |
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | T-cell immunoreceptor with Ig and ITIM domains |
| **Application** | Flow Cytometry, ICC, IF, IHC (PS), WB |
| **Clone** | 4A12 |
| **Formulation** | Liquid. In PBS, with 0.02% sodium azide and 50% glycerol. |
| **Host** | Mouse |
| **Immunogen** | Extracellular domain of human TIGIT. |
| **Isotype** | IgG1 |
| **Purity Detail** | Protein A affinity purified. |
| **Species Reactivity** | Human |
| **UniProt ID** | Q495A1 |
| **Worry-free Guarantee** | **This antibody is covered by our Worry-Free Guarantee .** |

**Last modified: May 29, 2024**


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