

## Product datasheet for **TA355125**

### TIGIT Mouse Monoclonal Antibody [Clone ID: 10B1]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | 10B1  |
| Applications:           | FC, IF, IHC   |
| Recommended Dilution:   | IHC start at 2 ug/mL. IF start at 1 ug/mL. FC start at 1 ug/mL. ICC start at 1 ug/mL.           |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG1  |
| Clonality:              | Monoclonal  |
| Immunogen:              | TIGIT antibody was raised against the extracellular domain of human TIGIT                       |
| Formulation:            | TIGIT Antibody is supplied in PBS containing 0.02% sodium azide.                                |
| Concentration:          | 1 mg/ml   |
| Purification:           | TIGIT Antibody is supplied as protein A purified IgG1.  |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | Predicted: 26 kDa; Observed: 47 kDa   |
| Gene Name:              | T-cell immunoreceptor with Ig and ITIM domains  |
| Database Link:          | <a href="#">NP_776160</a><br><a href="#">Entrez Gene 201633 Human</a><br><a href="#">Q495A1</a> |

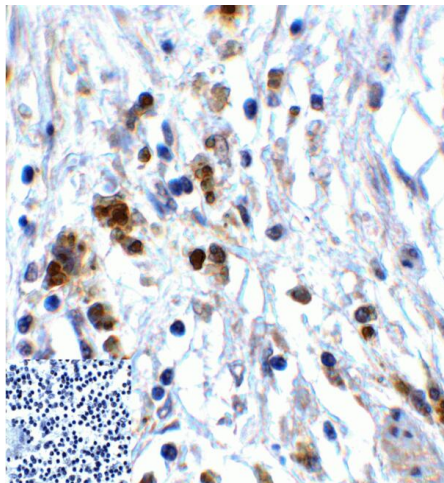
**Background:** TIGIT Antibody: The T cell immunoreceptor with Ig and ITIM domains (TIGIT) is a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. It is expressed on several classes of T cells including follicular B helper T cells (TFH). TIGIT has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses. Similar to other immune checkpoint proteins such as PD-1, 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.



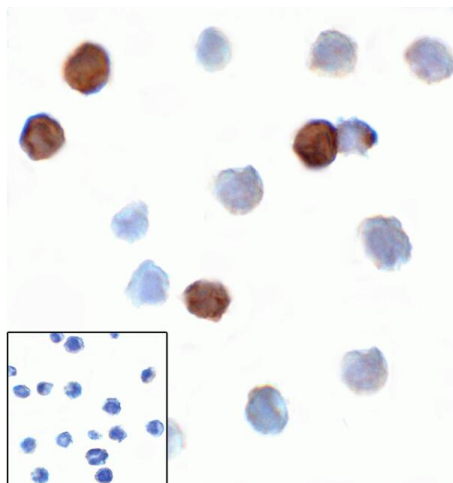
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Synonyms: DKFZp667A205; FLJ39873; VSIG9; VSTM3; WUCAM

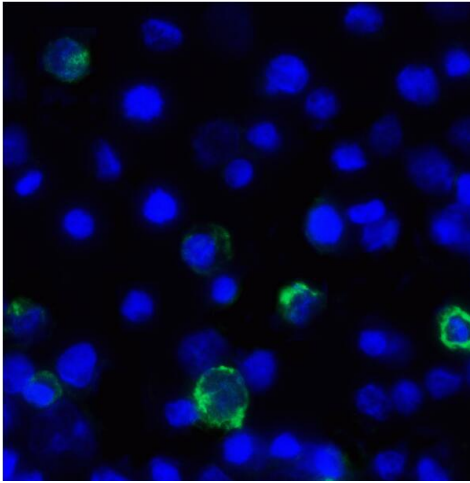
### Product images:



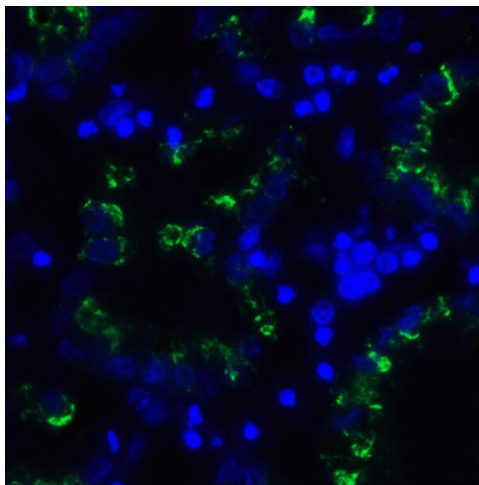
Immunohistochemistry of TIGIT in human stomach carcinoma tissue using TIGIT Antibody and control mouse IgG (corner box) at 2 ug/ml.



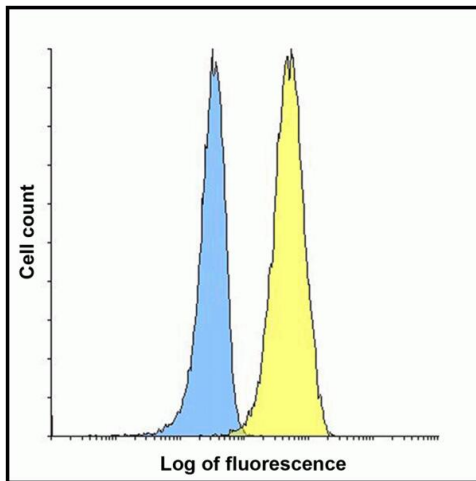
Immunocytochemistry of TIGIT in over-expressing HEK293 cells using TIGIT antibody and control mouse IgG antibody (left corner box) at 1 ug/ml.



Immunofluorescence of TIGIT in over expressing HEK293 cells using TIGIT Antibody at 1 ug/ml.



Immunofluorescence of TIGIT in human stomach carcinoma tissue using TIGIT Antibody at 5 ug/ml.



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