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Product datasheet for TA355121

TIGIT Mouse Monoclonal Antibody [Clone ID: 3B5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3B5
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:	IgG2a
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 IgG2a.
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:	NP_776160 Entrez Gene 201633 Human Q495A1
Background:	TIGIT Antibody: 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 .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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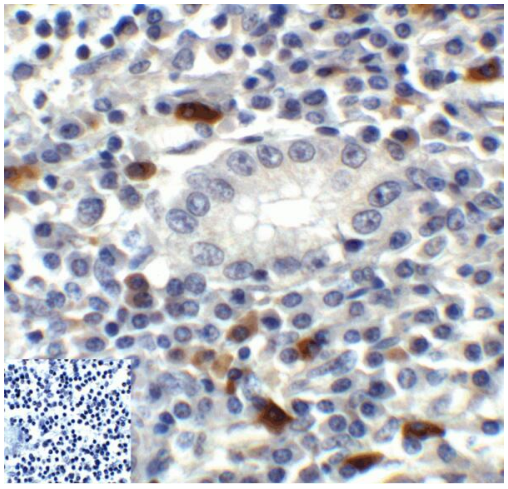
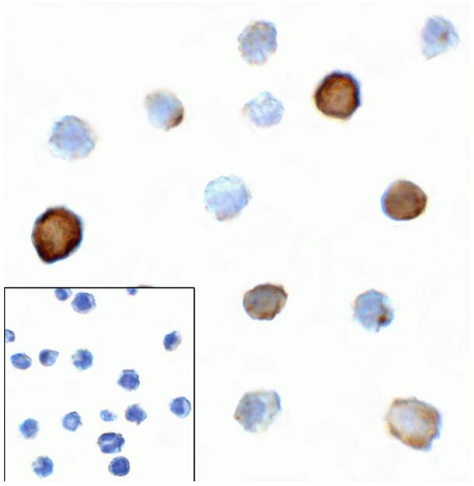
Synonyms: DKFZp667A205; FLJ39873; VSIG9; VSTM3; WUCAM

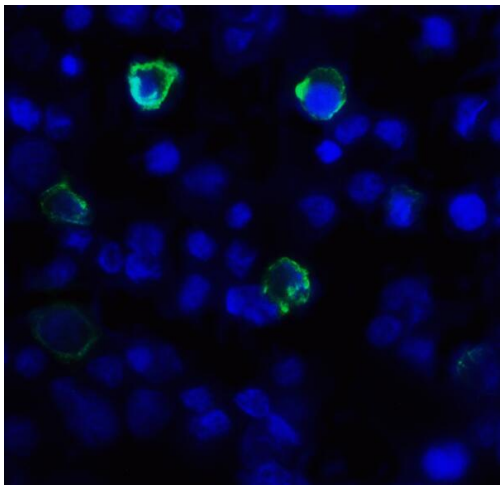
Product images:



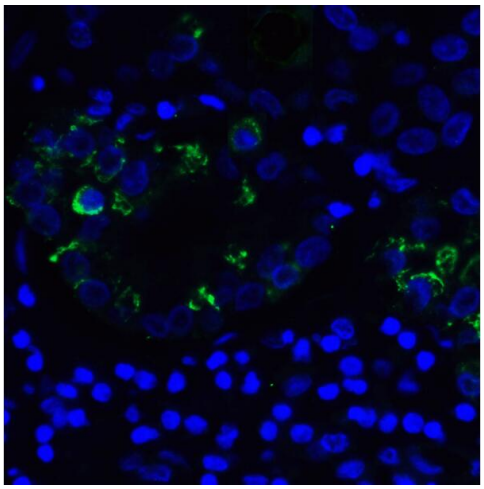
Immunohistochemistry of TIGIT in human stomach carcinoma tissue using TIGIT Antibody and control mouse IgG (corner box) at 2 ug/ml.



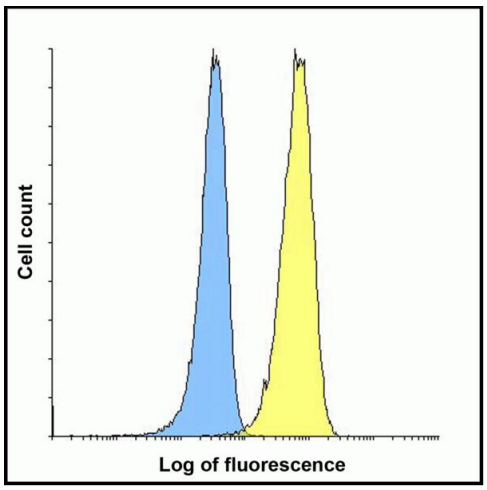
Immunocytochemistry of TIGIT in over expressing HEK293 cells using TIGIT antibody and control mouse IgG antibody (left corner box) at 1 ug/ml.



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.