

TIGIT Antibody [10B1] (biotin)

Catalog # ASC12155

Product Information

Application	E
Primary Accession	Q495A1
Other Accession	NP_776160
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	TIGIT
Calculated MW	26319 Da

Additional Information

Gene ID	201633
Alias Symbol	TIGIT
Other Names	TIGIT Antibody: T-cell immunoreceptor with Ig and ITIM domains, VSIG9, VSTM3, WUCAM

Reconstitution & Storage TIGIT antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions TIGIT Antibody [10B1] (biotin) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

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 (1). 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 (2).

References

Stanietsky N, Simic H, Arapovic J, et al. The interaction of TIGIT with PVR and PVRL2 inhibits human NK cell cytotoxicity. Proc Natl Acad Sci USA 2009; 106:17858-63. Johnston RJ, Comps-Agrar L, Hackney J, et al. The

immunoreceptor TIGIT regulates antitumor and antiviral CD8(+) T cell effector function. Cancer Cell 2014; 26:923-37.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.