

## Recombinant Human TIGIT Protein, IgG2a Fc-tagged

Cat. No. TIGIT-729H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TIGIT protein with IgG2a Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	244
<b>Description</b>	This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein 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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	40.1 kDa
<b>AA Sequence</b>	MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISAEEKGGSILQCHLSSTTAQVTQV NWEQQDQLLAICNADLGWHISPSFKDRVAPGPGLGLTLQSLTVNDTGEYFCIYHTYP DGYTGRIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIH SVEGDLRRKSAGQEEWSPSAPSPPGSCVQAEAAPAGLCGEQRGEDCAELHDYFN VLSYRSLGNCSFFTETG
<b>Purity</b>	> 98%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	TIGIT T cell immunoreceptor with Ig and ITIM domains [ Homo sapiens (human) ]
<b>Official Symbol</b>	TIGIT
<b>Synonyms</b>	TIGIT; T cell immunoreceptor with Ig and ITIM domains; V set and immunoglobulin domain containing 9 , V set and transmembrane domain containing 3 , VSIG9, VSTM3; T-cell immunoreceptor with Ig and ITIM domains; DKFZp667A205; FLJ39873; V-set and transmembrane domain containing 3; V-set and immunoglobulin domain containing 9; Washington University cell adhesion molecule; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9; VSIG9; VSTM3; WUCAM;

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Gene ID	201633
mRNA Refseq	NM_173799
Protein Refseq	NP_776160
MIM	612859
UniProt ID	Q495A1

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