

Product datasheet for **TP728016**

TIGIT Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human TIGIT (C-6His-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met22-Pro141
Tag:	C-6His-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Biotinylated Recombinant Human T cell Immunoreceptor with Ig and ITIM domains is produced by our Mammalian expression system and the target gene encoding Met22-Pro141 is expressed with a 6His, Avi tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	201633
UniProt ID:	Q495A1
Summary:	T cell immunoreceptor with Ig and ITIM domains (TIGIT) is a member of the CD28 family within the Ig superfamily of proteins. TIGIT is expressed on NK cells and subsets of activated, memory and regulatory T cells, and particularly on follicular helper T cells within secondary lymphoid organs. It binds to CD155 and Nectin-2 that appear on dendritic cells (DC) and endothelium. Ligation of TIGIT on T cells down-regulates TCR-mediated activation and subsequent proliferation, while NK cell TIGIT ligation blocks NK cell cytotoxicity. Through CD155 and Nectin-2, which also interact with DNAM-1/CD226 and CD96/Tactile, TIGIT is part of an interacting network of Ig superfamily members that may augment or oppose each other. In particular, TIGIT binding to CD155 can antagonize the effects of DNAM1.



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