

Recombinant Human TIGIT Protein, C-6His-Avi tagged, Biotinylated

Cat. No. TIGIT-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	Met22-Pro141
Description	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.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Lyophilized from a 0.2

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µm filtered solution of PBS, pH 7.4.

Shipping Ambient

Conjugation Biotin

GENE INFORMATION

Gene Name TIGIT T cell immunoreceptor with Ig and ITIM domains [Homo sapiens (human)]

Official Symbol TIGIT

Synonyms T-cell immunoreceptor with Ig and ITIM domains; VSIG9; VSTM3; TIGIT; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9

Gene ID 201633

mRNA Refseq NM_173799

Protein Refseq NP_776160

MIM 612859

UniProt ID Q495A1

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