Recombinant Human TIGIT Protein (His & Avi Tag)

Catalog No. PKSH033793

Note: Centrifuge before opening to ensure complete recovery of vial contents.

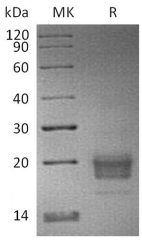
Description

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
Species	Human
Expression Host	HEK293 Cells
Sequence	Met22-Pro141
Accession	Q495A1
Calculated Molecular Weight	15.9 kDa
Observed molecular weight	17-23 kDa
Tag	C-His-Avi
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com