

## Active Recombinant Human TIGIT protein, mFc-Avi-tagged, Biotinylated

**Cat. No.** TIGIT-0800H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Biotinylated Recombinant Human TIGIT protein(Met22-Pro141), fused with mFc and Avi tag, was expressed in HEK293.                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 22-141 a.a.                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                               |
| <b>Bio-activity</b>     | Immobilized Human CD155, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human TIGIT, Mouse IgG2a Fc,Avitag with a linear range of 1-10 ng/mL. Immobilized Biotinylated Human TIGIT, Mouse IgG2a Fc,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human TIGIT Antibody with a linear range of 2-16 ng/mL. |
| <b>Molecular Mass</b>   | This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 41.6 kDa. The protein migrates as 45-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                |
| <b>Proteinlength</b>    | Met22-Pro141                                                                                                                                                                                                                                                                                                                                             |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | Less than 1.0 EU per µg by the LAL method.                                                                                                                                    |
| <b>Purity</b>         | >90% as determined by SDS-PAGE.                                                                                                                                               |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TIGIT T cell immunoreceptor with Ig and ITIM domains [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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; |
| <b>Gene ID</b>         | 201633                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_173799                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_776160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| MIM | 612859 |
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| UniProt ID | Q495A1 |
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