

Datasheet for ABIN7320953

TIGIT Protein (Fc Tag)[Go to Product page](#)**1** Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | TIGIT |
| Origin: | Cynomolgus |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TIGIT protein is labelled with Fc Tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Cynomolgus TIGIT/VSIG9/VSTM3 Protein (Fc Tag) |
| Sequence: | Met89-Pro209 |
| Characteristics: | Recombinant Cynomolgus TIGIT is produced by our Mammalian expression system and the target gene encoding Met89-Pro209 is expressed with a Fc tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | TIGIT |
| Alternative Name: | TIGIT/VSIG9/VSTM3 (TIGIT Products) |
| Background: | Background: T cell immunoreceptor with Ig and ITIM domains (TIGIT), also called VSIG9 and Vstm3, is a member of the CD28 family within the Ig superfamily of proteins. TIGIT contains an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine- |

Target Details

based inhibitory motif (ITIM), and is expressed on regulatory, memory, activated T cells and NK cells. TIGIT binds to CD155(PVR) that appear on dendritic cells (DC), macrophages and endothelium with high affinity, and CD112(PVRL2) with lower affinity, but not CD113 (PVRL3). TIGIT-Fc fusion protein could interact with PVR on DC and enhance the secretion of IL-10, but inhibit the macrophage activation. Mice lacking TIGIT show increased T cell responses and susceptibility to autoimmune challenges, while knockdown of TIGIT with siRNA in human memory T cells did not affect T cell responses.

Synonym: 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

Molecular Weight: 40.6 kDa

UniProt: [G7NXM4](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

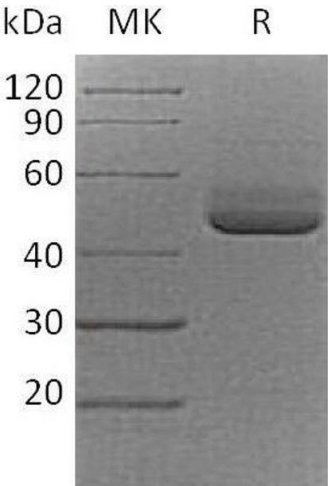
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.