

# **Biotinylated Recombinant Human TIGIT Protein**

Catalog No.: RP02075B Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 201633 0495A1

**Tags** C-His&Avi

**Synonyms** 

VSIG9; VSTM3; WUCAM; TIGIT

# **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

16.1 kDa 20-25 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

<u>a</u>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	T	www.abclonal.com.cn

# **Background**

TIGIT, also called Vstm3, Vsig9, and WUCAM, is a transmembrane protein in the CD28 family of the Ig superfamily proteins.TIGIT is expressed at low levels on peripheral memory and regulatory CD4 T-cells and NK cells and is up-regulated following activation of these cells.

## **Basic Information**

#### Description

Biotinylated Recombinant Human TIGIT Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met22-Pro141) of Human TIGIT fused with a His tag and Avi tag at the C-terminal.

#### **Bio-Activity**

## **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at  $-20^{\circ}$ C. Store the lyophilized protein at  $-20^{\circ}$ C to  $-80^{\circ}$ C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

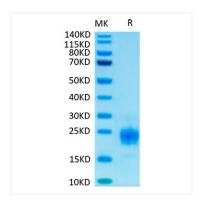
Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

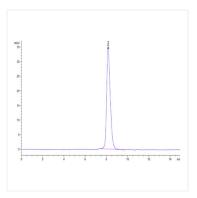
For your safety and health, please wear a lab coat and disposable gloves for handling.

<sup>\*</sup> DODODODODODODODO

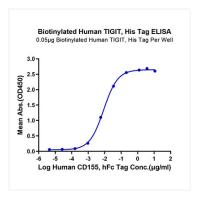
# **Validation Data**



Biotinylated Recombinant Human TIGIT Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human TIGIT is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human TIGIT, His Tag at  $0.5 \mu g/ml$  ( $100 \mu l/well$ ) on the streptavidin precoated plate ( $5 \mu g/ml$ ). Dose response curve for Human CD155, hFc Tag with the EC<sub>50</sub> of 8.7 ng/ml determined by ELISA.