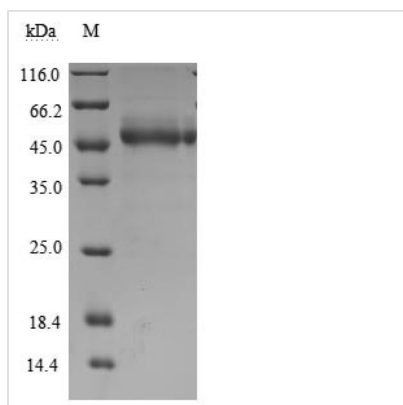


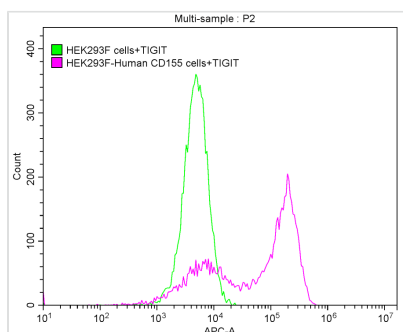


Recombinant Human T-cell immunoreceptor with Ig and ITIM domains (TIGIT), partial (Active)

Product Code	CSB-MP675446HU
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q495A1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	FACS assay shows that Human TIGIT can bind to 293F cell overexpressing human CD155.
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	MMTGTIETTGNISAEKGGSIILQCHLSSTTAQVTQVNWEQQDQLLAICNADLG WHISPSFKDRVAPGPGGLGLTLQSLTVNDTGEYFCIYHTYPDGTYTGRIFLEVLE SSVAEHGARFQIP
Lead Time	3-7 business days
Source	Mammalian cell
Gene Names	TIGIT
Expression Region	22-141aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc-Myc-tagged
Mol. Weight	43.2 kDa
Protein Description	Partial
Image	

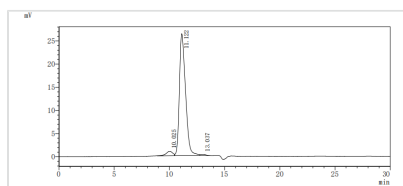


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

FACS assay shows that Human TIGIT can bind to 293F cell overexpressing human CD155.



The purity of Human TIGIT was greater than 95% as determined by SEC-HPLC

Description

CUSABIO expressed the human TIGIT residues 22-141 carrying a C-terminal hFc-Myc tag in mammalian cells. The product is the recombinant human TIGIT protein. It is an active protein with high purity (>95%, SDS-PAGE) and low endotoxin (<1.0 EU/ug protein, LAL method). It has an apparent molecular weight of 46 kDa due to glycosylation. In the FACS assay, this TIGIT protein can bind to 293F cell overexpressing human CD155. And it is in stock so that there is no preparation waiting period.

TIGIT, a co-inhibitory molecule on T cells, exerts immunosuppressive effects by competing with CD226 for the same CD155 ligand. Accumulating roles demonstrate that TIGIT plays a key role in limiting adaptive and innate immunity against tumors.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.