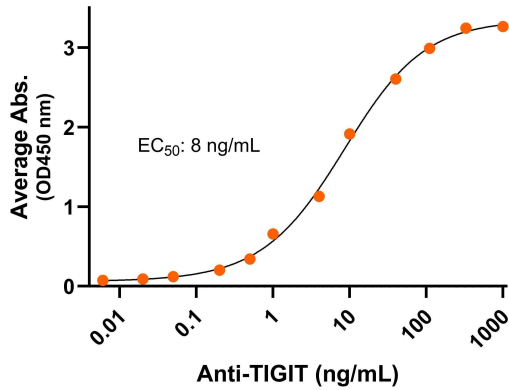


Bioactivity – Antibody Binding

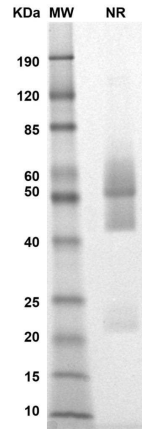
Human TIGIT-His, ELISA

0.2µg of TIGIT dimer per well



Immobilized TIGIT-His dimer protein (Cat. No. CSP-24028-01) at 2 µg/mL (100 µL/well) can bind anti-human TIGIT monoclonal antibody with half maximal effective concentration (EC50) range of 4.1-16.6 ng/mL (QC tested).

SDS-PAGE



MW: Molecular Weight marker reduced condition
 NR: TIGIT dimer under non-reducing condition

The migration range of the dimer under non-reducing conditions is 40-70 kDa on SDS PAGE.



Bioactive, Human TIGIT Dimer, His Tag
Product Code: CSP-24028-01
For Research Use Only (RUO)

Expression Host
HEK293T

Purity
Greater than 90% dimer form as determined by SDS-PAGE under non-reducing condition

Protein Construct
TIGIT protein dimer contains a TIGIT extracellular domain (UniProt# Q495A1) with a His tag at the C-terminus. Expressed in HEK293T cell line.

SDS-Page Molecular Weight
42 kDa. The migration range of the dimer under non-reducing conditions is 40-70 kDa on SDS PAGE.

Shipping Conditions
Frozen Dry Ice

Protein Name
Human TIGIT

Alternate Name(s)
VSIG9, VSTM3

Amino Acid Range
M22-P141

Formulation
0.22µm filtered PBS, pH 7.4

Stability & Storage
-80°C

Background

Human TIGIT (T-cell immunoreceptor with Ig and ITIM domains) is also known as VSIG9 (V-set and immunoglobulin domain-containing protein 9) and VSTM3 (V-set and transmembrane domain-containing protein 3). TIGIT is a type I membrane protein containing an immunoglobulin variable (Ig-V) domain, a transmembrane domain and cytoplasmic domain. TIGIT is an immune receptor present on peripheral memory and regulatory CD4+ T cells and natural killer (NK) cells. TIGIT binds to CD155 (the poliovirus receptor, PVR) with high affinity and binds to CD112 (PVRL2) with lower affinity. Nectin-4 is also a ligand for TIGIT.