

ARG70241 Human TIGIT recombinant protein (His-tagged, C-ter)

Package: 50 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, His-tagged (C-ter) Human TIGIT recombinant protein.
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	TIGIT
Species	Human
A.A. Sequence	Met22 - Pro141 of Human TIGIT (NP_776160.2) with 6X His tag at the C - terminus.
Expression System	HEK293
Alternate Names	WUCAM; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9; VSIG9; VSTM3; T-cell immunoreceptor with Ig and ITIM domains

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Human TIGIT at 1.5 µg/ml (100 µl/well) can bind Human CD155 with a linear range of 0.15-1.2µg/ml.
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Properties

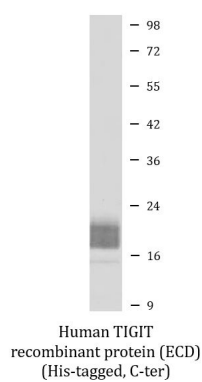
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 97% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TIGIT
Gene Full Name	T cell immunoreceptor with Ig and ITIM domains
Background	This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses. [provided by RefSeq, Sep 2009]
Function	Binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells. [UniProt]

Calculated Mw	26 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG70241 Human TIGIT recombinant protein (ECD) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70241 Human TIGIT recombinant protein (ECD) (His-tagged, C-ter).