

Product datasheet

Recombinant mouse TIGIT protein (Fc Chimera Active)  
 ab224738

2 Images

Description

<b>Product name</b>	Recombinant mouse TIGIT protein (Fc Chimera Active)	
<b>Biological activity</b>	Measured by its binding ability in a functional ELISA. Immobilized ab224738 at 5 µg/ml (100 µl/well) can bind Human Nectin-2, His Tag with a linear range of 2.5-20 µg/ml.	
<b>Purity</b>	> 95 % SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/µg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<a href="#">NP_001139797</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	GTIDTKRNISAEEGGSVILQCHFSSDTAEVTQVDWKQQ DQLLAYSVDLG WHVASVFSDRVVPGPSLGLTFQSLTMNDTGEYFCTYH TYPGGIYKGRIFL KVQESSVAQFQTAPLGGT	
<b>Predicted molecular weight</b>	40 kDa including tags	
<b>Amino acids</b>	26 to 143	
<b>Additional sequence information</b>	Fused to a human IgG1 Fc tag at the C-terminus.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab224738** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
	Functional Studies
<b>Form</b>	Lyophilised

Preparation and Storage

## Stability and Storage

Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 0.75% Glycine, 0.61% Tris, 5% Trehalose, L-Arginine, Sodium chloride

Lyophilized from 0.22 µm filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## Reconstitution

It is recommended to reconstitute the lyophilized product in sterile deionized water to a final concentration of 1 mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

## General Info

### 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.

### Tissue specificity

Expressed at low levels on peripheral memory and regulatory CD4+ T cells and NK cells and is up-regulated following activation of these cells (at protein level).

### Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

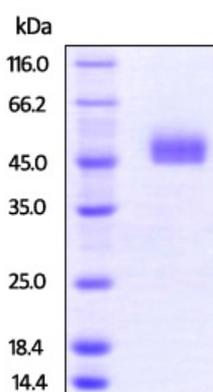
### Domain

Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.

### Cellular localization

Cell membrane.

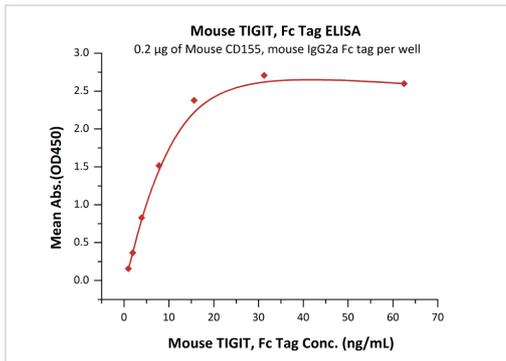
## Images



SDS-PAGE - Recombinant mouse TIGIT protein (Fc Chimera Active) (ab224738)

ab224738 analyzed by SDS-PAGE under reducing conditions and stained overnight with Coomassie Blue.

The protein migrates as 45-52 kDa under reducing conditions (SDS-PAGE).



Mouse CD155, mouse IgG2a Fc tag at 2 µg/mL (100 µL/well) can bind ab224738 with a linear range of 2.5-20 µg/mL.

Functional Studies - Recombinant mouse TIGIT protein (Fc Chimera Active) (ab224738)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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