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Datasheet for ABIN6809851

**TIGIT Protein (AA 17-208) (His tag)****2** Images

## Overview

Quantity:	100 µg
Target:	TIGIT
Protein Characteristics:	AA 17-208
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TIGIT protein is labelled with His tag.

## Product Details

Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	TIGIT
Alternative Name:	TIGIT ( <a href="#">TIGIT Products</a> )
Background:	TIGIT (also called T cell immunoreceptor with Ig and ITIM domains) is one newly discovered immune receptor on some percentage of T cells and Natural Killer Cells(NK). It is also identified as WUCAM and Vstm3. TIGIT could bind to CD155(PVR) on dendritic cells(DCs), macrophages, etc. with high affinity, and also to CD112(PVRL2) with lower affinity. TIGIT expressing CD8+ T cells has been shown to be expanded and associated with clinical markers of HIV disease

## Target Details

progression in a diverse group of HIV infected individuals. TIGIT and PD-1 has been shown to be over expressed on tumor antigen-sepcific (TA-specific) CD8+ T cells and CD8+ tumor infiltrating lymphocytes (TILs) from individuals with melanoma. Blockade of TIGIT and PD-1 led to increased cell proliferation, cytokine production, and degranulation of TA-specific CD8+ T cells and TIL CD8+ T cells.

Molecular Weight: 23.1 kDa

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

Restrictions: For Research Use only

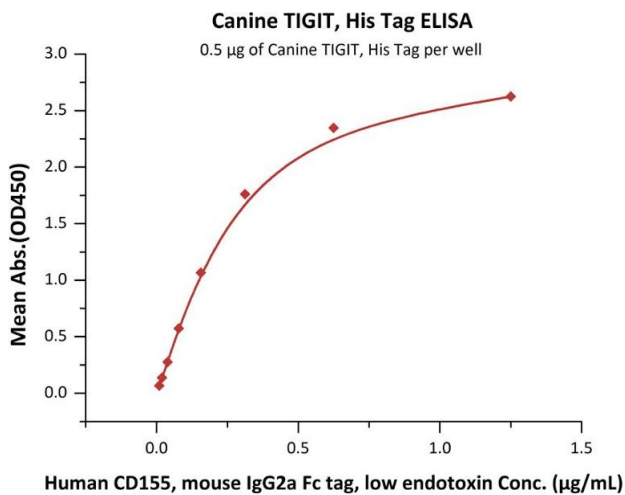
## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

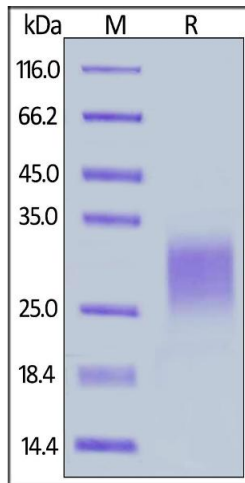
Storage: -20 °C

## Images



### ELISA

**Image 1.** Immobilized Canine TIGIT, His Tag (ABIN6731347, ABIN6809851) at 5 µg/mL (100 µL/well) can bind Human CD155, mouse IgG2a Fc tag, low endotoxin (ABIN4949085, ABIN4949086) with a linear range of 0.01-0.313 µg/mL (QC tested).



### SDS-PAGE

**Image 2.** Canine TIGIT, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .