

# Cynomolgus CD96/TACTILE Protein

Cat. No. CD9-CM196



## Description

<b>Source</b>	Recombinant Cynomolgus CD96/TACTILE Protein is expressed from Expi293 with His tag at the C-terminal. It contains Val22-Gly502.
<b>Accession</b>	A0A2K5TWV6
<b>Molecular Weight</b>	The protein has a predicted MW of 54.27 kDa. Due to glycosylation, the protein migrates to 80-130 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

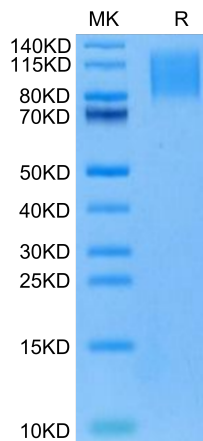
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

## Background

The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, with Cd96<sup>-/-</sup> mice displaying hypersensitive NK-cell responses to immune challenge and significant tumor resistance. The counterbalance between the putative inhibitory CD96 and TIGIT receptors and the activating receptor, CD226, offers unique strategies for immuno-oncology drug development.

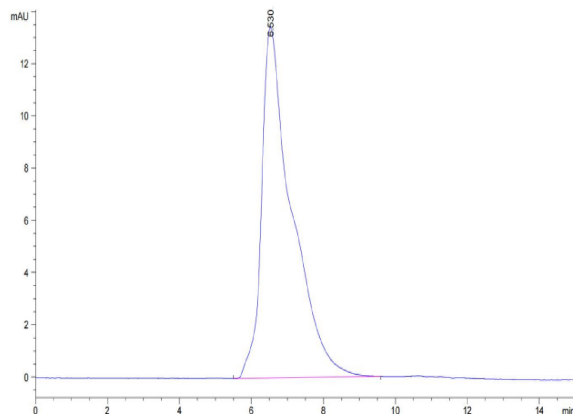
## Assay Data

### Tris-Bis PAGE



Cynomolgus CD96 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



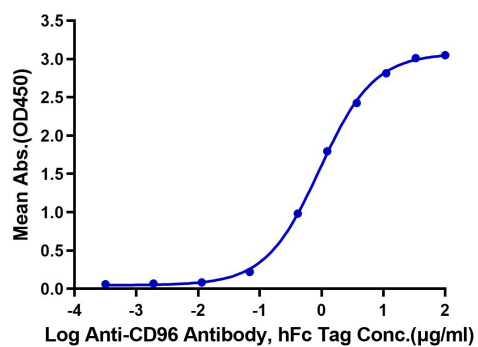
The purity of Cynomolgus CD96 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus CD96, His Tag ELISA

0.2µg Cynomolgus CD96, His Tag Per Well



Immobilized Cynomolgus CD96, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC50 of 0.93µg/ml determined by ELISA.