Cynomolgus CD96/TACTILE Protein, Ultra Low Endotoxin

Cat. No. CD9-CM196-UL

Description

Source	Recombinant Cynomolgus CD96/TACTILE Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Val22-Gly502.
Accession	A0A2K5TWV6
Molecular Weight	The protein has a predicted MW of 54.27 kDa. Due to glycosylation, the protein migrates to 80-130 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

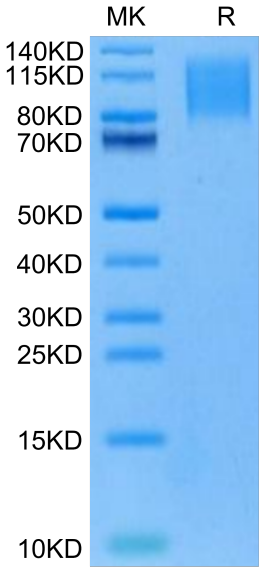
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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-/- 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

Bis-Tris PAGE



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

ELISA Data

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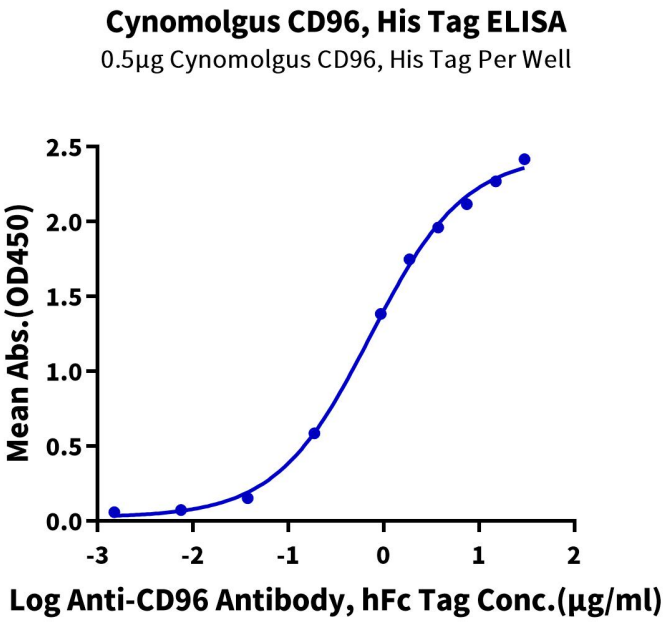
Assay Data



Immobilized Cynomolgus CD96, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC50 of 0.73μg/ml determined by ELISA (QC Test).