Cynomolgus CD44 Protein

Cat. No. CDX-CM144

Description

Source	Recombinant Cynomolgus CD44 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln21-Pro220 & Gln387-Ala428.
Accession	A0A2K5VJE0
Molecular Weight	The protein has a predicted MW of 27.77 kDa. Due to glycosylation, the protein migrates to 45-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

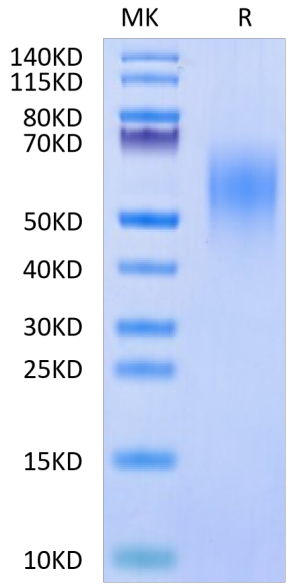
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

CD44 is a hyaluronan binding cell surface signal transducing receptor that influences motility, cell survival and proliferation as well as the formation of tumor microenvironment. CD44 contains two variable regions encoded by variable exons. Alternative splicing, which is often deregulated in cancer, can produce various isoforms of CD44 with properties that may have different tissue specific effects and therefore even diverse effects on cancer progression

Assay Data

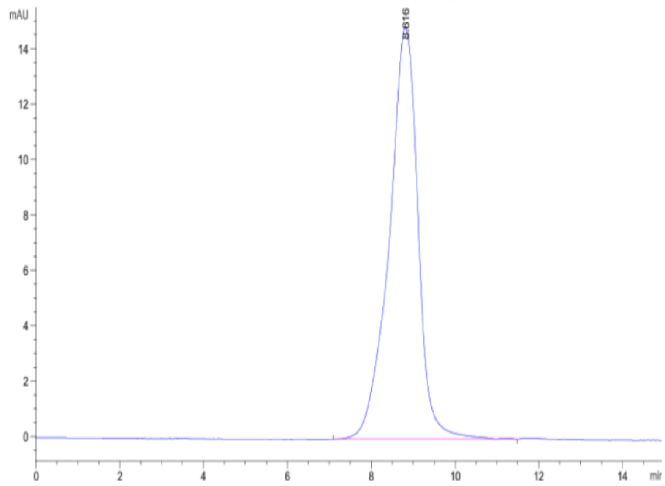
Bis-Tris PAGE



Cynomolgus CD44 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

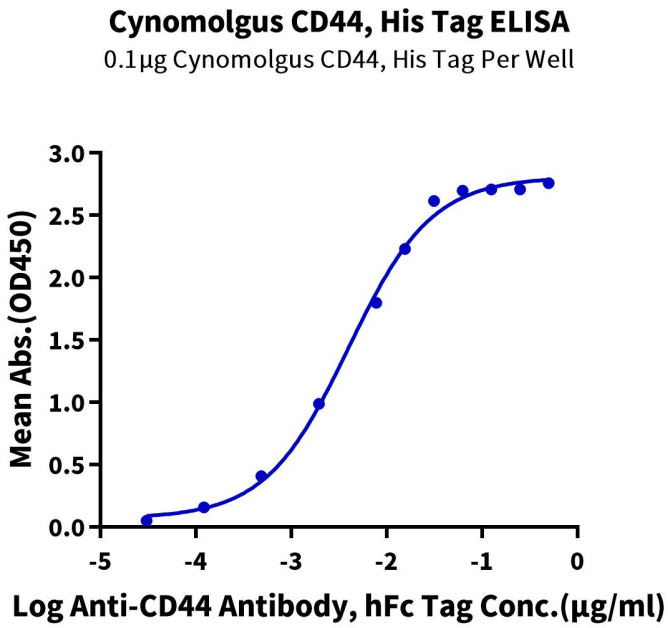
SEC-HPLC

Assay Data



The purity of Cynomolgus CD44 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Cynomolgus CD44, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-CD44 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA (QC Test).