

# Cynomolgus/Rhesus macaque B7-H4 Protein

Cat. No. BH7-CM174

## Description

<b>Source</b>	Recombinant Cynomolgus/Rhesus macaque B7-H4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe29-Ala258.
<b>Accession</b>	A0A2K5U6P5 / F7B770
<b>Molecular Weight</b>	The protein has a predicted MW of 26.41 kDa. Due to glycosylation, the protein migrates to 48-63 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

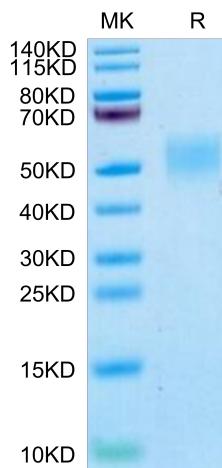
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

## Background

B7-H4, also known as B7x and B7S1, is a 50-80 kDa glycosylated member of the B7 family of immunomodulatory proteins. B7-H4 is up-regulated in several carcinomas in correlation with tumor progression and metastasis. A soluble form of B7-H4 is elevated in the serum of ovarian cancer, renal cell carcinoma, and rheumatoid arthritis patients, also in correlation with advanced disease status.

## Assay Data

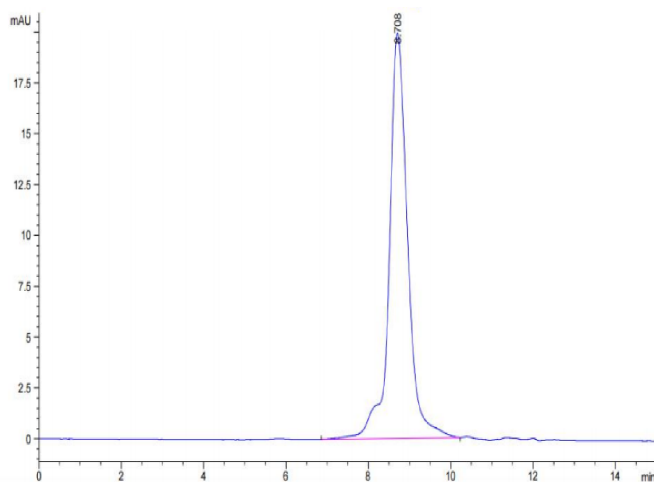
### Tris-Bis PAGE



Cynomolgus/Rhesus macaque B7-H4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

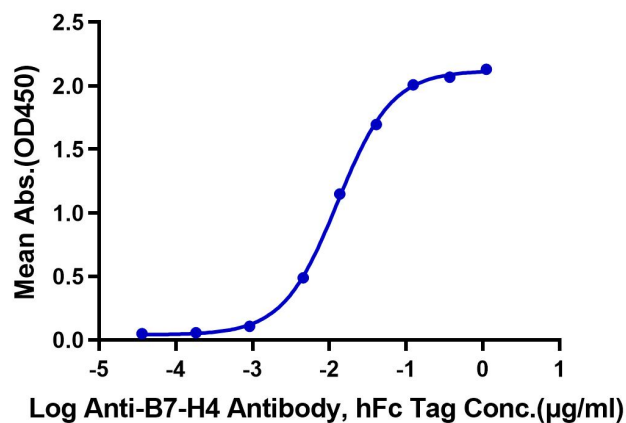


The purity of Cynomolgus/Rhesus macaque B7-H4 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus/Rhesus macaque B7-H4, His Tag ELISA

0.02µg Cynomolgus/Rhesus macaque B7-H4, His Tag Per Well



Immobilized Cynomolgus/Rhesus macaque B7-H4, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-B7-H4 Antibody, hFc Tag with the EC50 of 12.8ng/ml determined by ELISA.