

# Cynomolgus Transferrin R/CD71 Protein

Cat. No. TFR-CM101

## Description

<b>Source</b>	Recombinant Cynomolgus Transferrin R/CD71 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Cys89-Phe760.
<b>Accession</b>	XP_005545315.1
<b>Molecular Weight</b>	The protein has a predicted MW of 76.3 kDa. Due to glycosylation, the protein migrates to 78-80 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

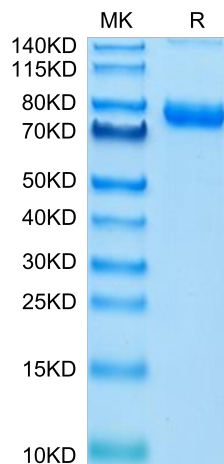
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

The transferrin receptor (CD71) is known as a receptor for IgA1 on mesangial cells. The transcript and protein expression of glomerular CD71 was determined by real-time polymerase chain reaction and immunohistochemistry. Human mesangial cells (HMCs) were treated with sera from IgAN patients and expression levels of CD71 and inflammatory cytokine markers were compared according to disease status.

## Assay Data

### Tris-Bis PAGE



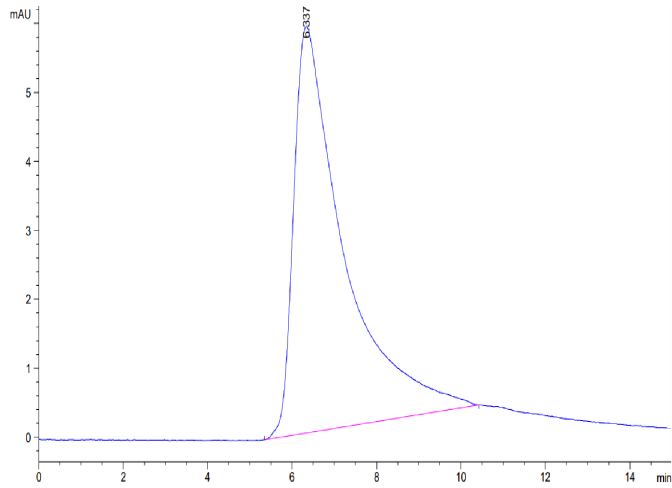
Cynomolgus Transferrin R on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data



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