

## Mouse CD55 Protein

Cat. No. CD5-MM105

### Description

<b>Source</b>	Recombinant Mouse CD55 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp35-Gly362.
<b>Accession</b>	Q61475
<b>Molecular Weight</b>	The protein has a predicted MW of 36.6 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

### Formulation and Storage

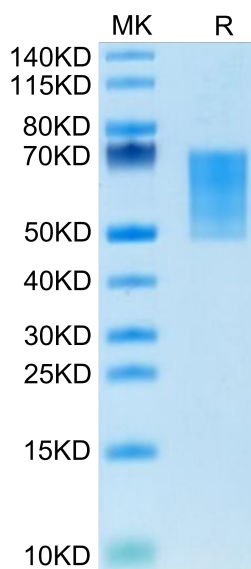
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

Decay Accelerating Factor (or CD55) is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. It is commonly hijacked by invading pathogens, including many enteroviruses and uropathogenic Escherichia coli, to promote cellular attachment prior to infection.

### Assay Data

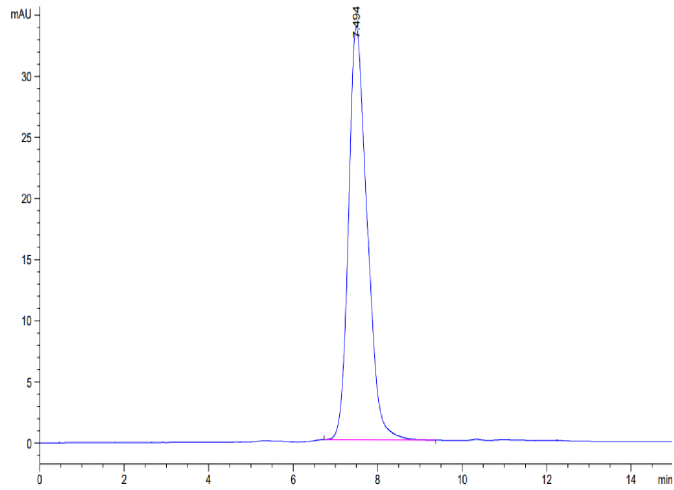
#### Bis-Tris PAGE



Mouse CD55 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

#### SEC-HPLC

Assay Data



The purity of Mouse CD55 is greater than 95% as determined by SEC-HPLC.