# Mouse CD5L Protein

Cat. No.　　CD5-MM10L

## Description

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|---|---|
| **Source** | Recombinant Mouse CD5L Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Glu22-Val352. |
| **Accession** | Q9QWK4 |
| **Molecular Weight** | The protein has a predicted MW of 37.7 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result. |
| **Endotoxin** | Less than 1EU per µg by the LAL method. |
| **Purity** | > 95% as determined by Tris-Bis PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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| **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.-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

CD5L, a soluble protein belonging to the SRCR superfamily, is expressed mostly by macrophages in lymphoid and inflamed tissues. The expression of this protein is transcriptionally controlled by LXRs, members of the nuclear receptor family that play major roles in lipid homeostasis. Research undertaken over the last decade has uncovered critical roles of CD5L as a PRR of bacterial and fungal components and in the control of key mechanisms in inflammatory responses, with involvement in processes, such as infection, atherosclerosis, and cancer.
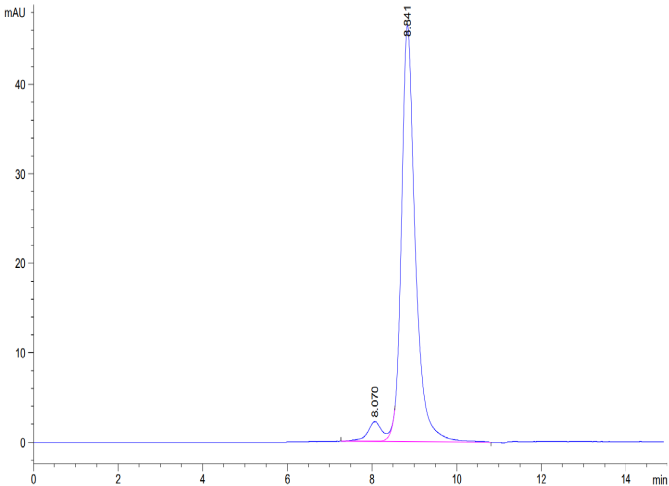
## Assay Data

### Tris-Bis PAGE



Mouse CD5L on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data



The purity of Mouse CD5L is greater than 95% as determined by SEC-HPLC.