

# Mouse P-Selectin/CD62P Protein

Cat. No. SEL-MM10P

## Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Mouse P-Selectin/CD62P Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Trp42-Ala709.     |
| <b>Accession</b>        | Q01102   |
| <b>Molecular Weight</b> | The protein has a predicted MW of 81.1 kDa. Due to glycosylation, the protein migrates to 110-130 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<br>> 95% as determined by HPLC  |

## Formulation and Storage

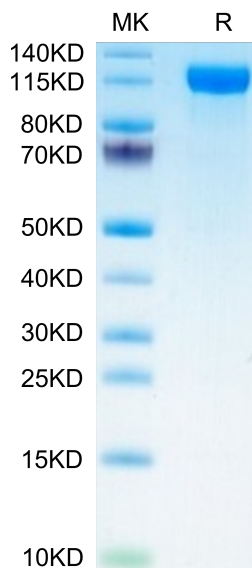
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ 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. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

P-selectin is critical in the progression of atherosclerosis as evidenced by knockout animal models where P-selectin knockout mice crossed with apoE deficient mice exhibit significantly reduced atherosclerosis and leukocyte recruitment in the plaque. A soluble form of P-selectin also exists, which may have pro-atherogenic and pro-thrombotic effects. Thus targeting of P-selectin remains a strong clinical candidate for developing novel therapeutic strategies in inflammatory diseases.

## Assay Data

### Bis-Tris PAGE



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

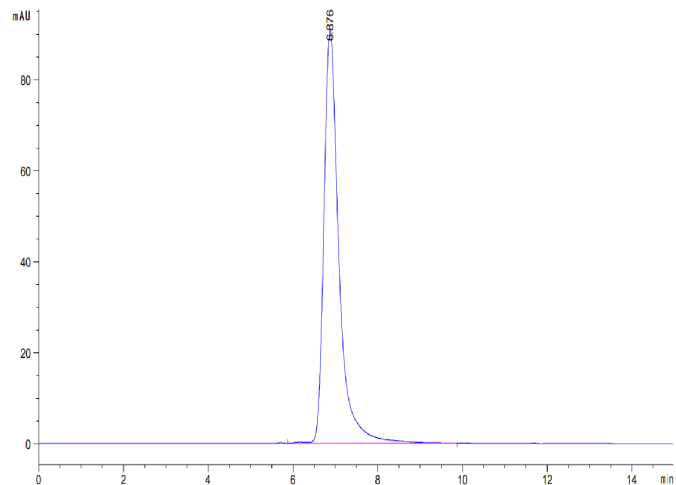
### SEC-HPLC

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## Assay Data



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