

Mouse CD160 Protein

Cat. No. CD1-MM260

Description

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|-------------------------|--|
| Source | Recombinant Mouse CD160 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly28-Ser160. |
| Accession | O88875 |
| Molecular Weight | The protein has a predicted MW of 41.8 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

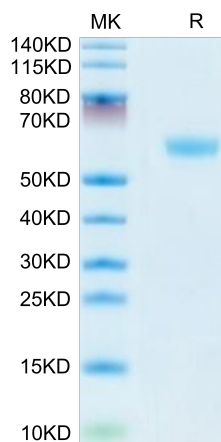
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

CD160 (also Natural killer cell receptor BY55) is a 27-30 kDa member of the Ig superfamily. In human, it is expressed principally on nonmyeloid hematopoietic cells. CD160 antigen is a receptor on immune cells capable of delivering stimulatory or inhibitory signals that regulate cell activation and differentiation. It exists as a GPI-anchored and as a transmembrane form, each likely initiating distinct signaling pathways via phosphoinositol 3-kinase in activated NK cells and via LCK and CD247/CD3 zeta chain in activated T cells.

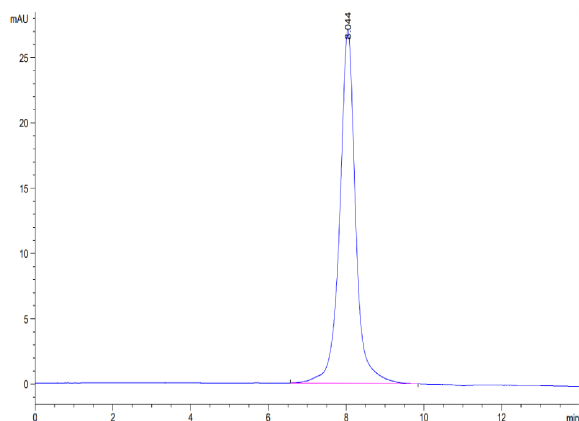
Assay Data

Bis-Tris PAGE



Mouse CD160 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse CD160 is greater than 95% as determined by SEC-HPLC.