

Rat B7-1/CD80 Protein

Cat. No. B71-RM180



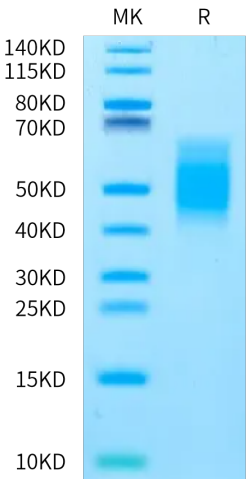
| Description | |
|------------------|---|
| Source | Recombinant Rat B7-1/CD80 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ile39-Gln248. |
| Accession | G3V671 |
| Molecular Weight | The protein has a predicted MW of 25.54 kDa. Due to glycosylation, the protein migrates to 45-65 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

| Formulation and Storage | |
|-------------------------|--|
| Formulation | Supplied as 0.22 µm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background | |
|--|--|
| Cluster of differentiation 80 (also CD80 and B7-1) is a protein found on dendritic cells, activated B cells and monocytes that provides a costimulatory signal necessary for T cell activation and survival. It is the ligand for two different proteins on the T cell surface: CD28 and CTLA-4. | |

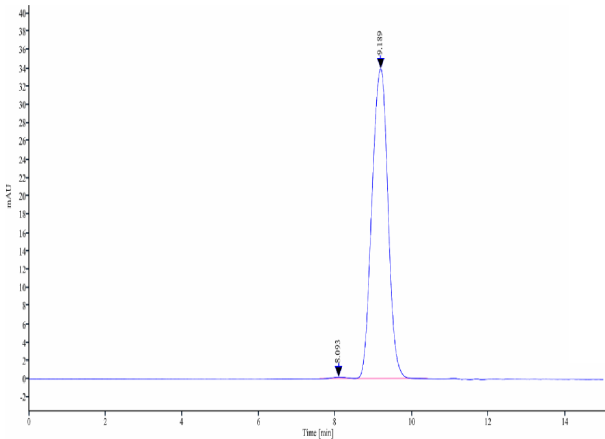
Assay Data

Bis-Tris PAGE



Rat B7-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Rat B7-1 is greater than 95% as determined by SEC-HPLC.