

Mouse CD13/ANPEP Protein

Cat. No. ANP-MM101

Description

| | |
|-------------------------|---|
| Source | Recombinant Mouse CD13/ANPEP Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Lys69-Ser966. |
| Accession | P97449 |
| Molecular Weight | The protein has a predicted MW of 103.9 kDa. Due to glycosylation, the protein migrates to 115-130 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.1 EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

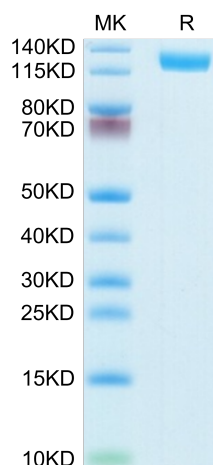
| | |
|--------------------|--|
| Formulation | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

CD13/aminopeptidase N is a widely expressed ectoenzyme with multiple functions. As an enzyme, CD13 regulates activities of numerous cytokines by cleaving their N-terminals and is involved in Ag processing by trimming the peptides bound to MHC class II. Independent of its enzymatic activity, cell membrane CD13 functions by cross-linking-induced signal transduction, regulation of receptor recycling, enhancement of Fc γ R-mediated phagocytosis, and acting as a receptor for cytokines.

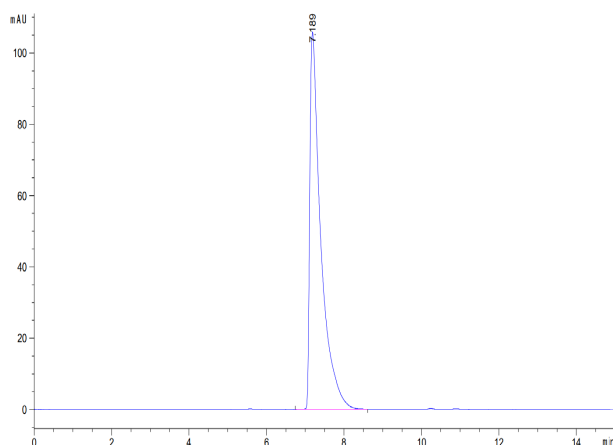
Assay Data

Bis-Tris PAGE



Mouse CD13 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse CD13 is greater than 95% as determined by SEC-HPLC.