Human CD10/MME Protein

Cat. No. MME-HM010

Description

Source	Recombinant Human CD10/MME Protein is expressed from HEK293 without tag.
	It contains Tyr52-Trp750.
Accession	P08473
Molecular Weight	The protein has a predicted MW of 79.83 kDa. Due to glycosylation, the protein migrates to 80-100 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

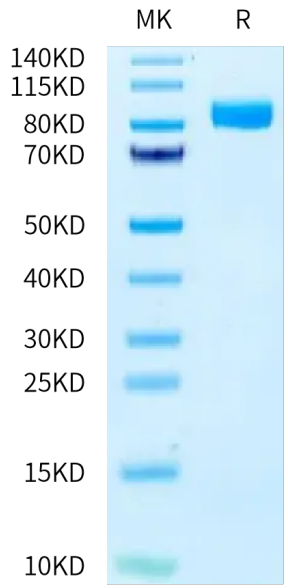
Formulation	Supplied as 0.22 μm filtered solution in 50mM MES, 100mM NaCl, 10% glycerol (pH 6.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD10 is an endopeptidase that degrades various bioactive peptides in the extracellular matrix. In addition to enzymatic degradation, it affects multiple intracellular signal transduction pathways. CD10 expression has been extensively studied in human epithelial cancers of numerous organs and sites. CD10 expression pattern depended on the histotypes of thyroid lesions. When possible metastatic tumours and non-epithelial tumours are excluded, high CD10 expression may be useful in determining whether a primary thyroid carcinoma includes an anaplastic component.

Assay Data

Bis-Tris PAGE



Human CD10 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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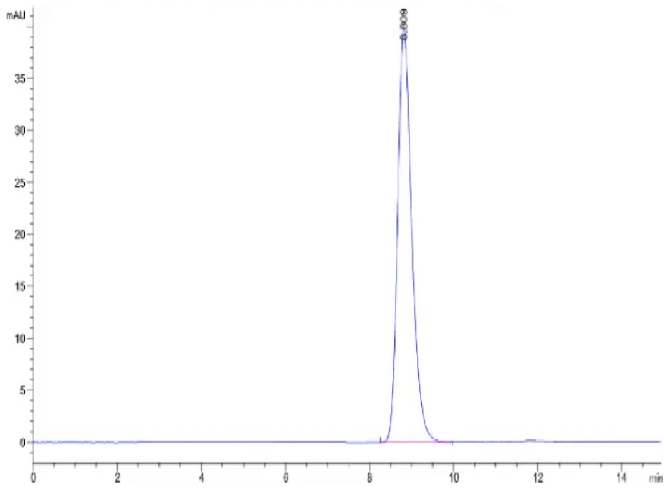
Assay Data



The purity of Human CD10 is greater than 95% as determined by SEC-HPLC.

Bioactivity Data

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK (Dnp) -OH. The specific activity is > 1500 pmoles/min/μg.