

Rev02
 Update: Aug,08,2025
DATASHEET

CD10/MME, His, Cynomolgus

Cat. No.: Z04760

Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #333; color: white; padding: 5px; margin-right: 10px;">His</div> <div style="background-color: #0070C0; color: white; padding: 5px; border: 1px solid black;"> CD10/MME (Asp53-Trp750) Accession # G7NZK8 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its ability to cleave the fluorogenic peptide substrate, McaRPPGFSAFK (Dnp) OH. The specific activity is > 1200 pmoles/min/µg. Test result meets the standard.
Expression System	HEK293
Theoretical Molecular Weight	80.69 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 81-110 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target 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.

Synonyms : Neprilysin; Atriopeptidase; Enkephalinase; NEP; Neutral; SFE; CD10; MME; CALLA

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