

Cynomolgus ENPP-3/CD203c Protein

Cat. No. ENP-CM113



Description

Source	Recombinant Cynomolgus ENPP-3/CD203c Protein is expressed from HEK293 with His tag at the N-terminus. It contains Arg46-Ile874.
Accession	A0A2K5TKP4
Molecular Weight	The protein has a predicted MW of 96.66 kDa. Due to glycosylation, the protein migrates to 120-150 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 > 90% as determined by HPLC

Formulation and Storage

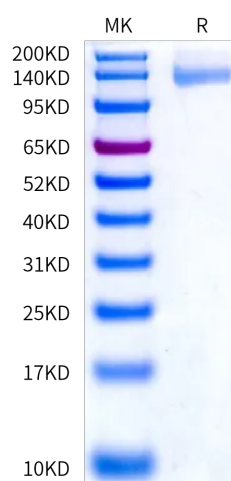
Formulation	Supplied as 0.22 µm filtered solution in 50mM Tris, 150mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Ectonucleotide pyrophosphatase-phosphodiesterase 3 (ENPP3), a protein detected in the human uterus, has been found to play an important role in the development and invasion of tumours. It was recently discovered that ENPP3 was upregulated during the window of implantation in the human endometrium but its functional relevance remains elusive.

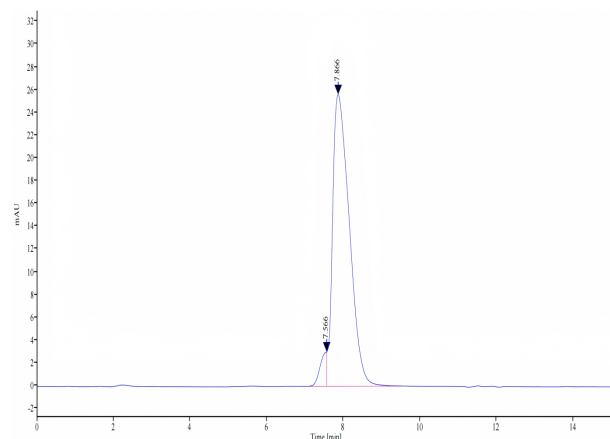
Assay Data

Bis-Tris PAGE



Cynomolgus ENPP-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Cynomolgus ENPP-3 is greater than 90% as determined by SEC-HPLC.

Cynomolgus ENPP-3/CD203c Protein

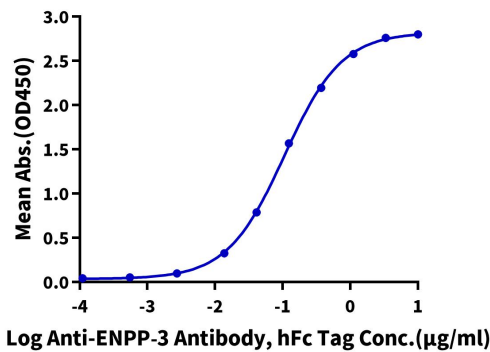
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Assay Data

ELISA Data

Cynomolgus ENPP-3, His Tag ELISA
0.2µg Cynomolgus ENPP-3, His Tag Per Well



Immobilized Cynomolgus ENPP-3, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-ENPP-3 Antibody, hFc Tag with the EC50 of 0.11µg/ml determined by ELISA.

Bioactivity Data

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 10000 pmol/min/µg.