

Biotinylated Cynomolgus PSMA/FOLH1 Protein (Primary Amine Labeling)



Cat. No. PSM-CM110B

Description

Source	Recombinant Biotinylated Cynomolgus PSMA/FOLH1 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the N-Terminus.
	It contains Lys44-Ala750.
Accession	A0A2K5VNZ0
Molecular Weight	The protein has a predicted MW of 80.6 kDa. Due to glycosylation, the protein migrates to 90-110 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

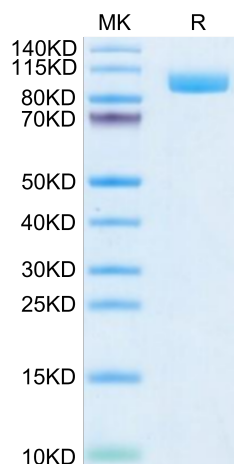
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Prostate-specific membrane antigen (PSMA) is an enzyme that in humans is encoded by the FOLH1 (folate hydrolase 1) gene, also known as Glutamate carboxypeptidase II (GCPII). Human PSMA is highly expressed in the prostate, roughly a hundred times greater than in most other tissues. In some prostate cancers, PSMA is the second-most upregulated gene product, with an 8- to 12-fold increase over levels in noncancerous prostate cells.

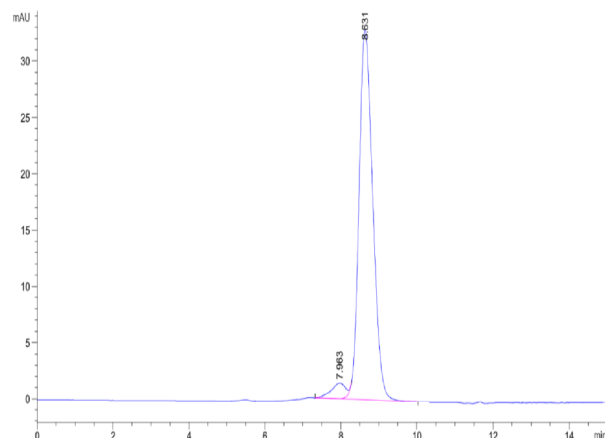
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



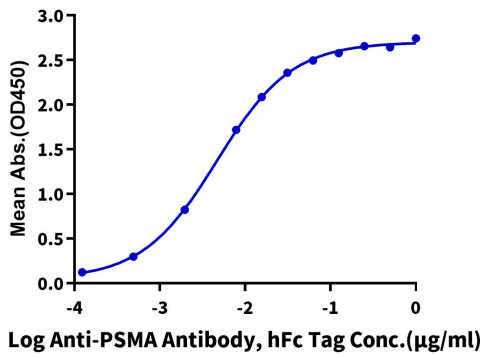
The purity of Biotinylated Cynomolgus PSMA is greater than 95% as determined by SEC-HPLC.

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Assay Data

ELISA Data

Biotinylated Cynomolgus PSMA, His Tag ELISA
0.05µg Biotinylated Cynomolgus PSMA, His Tag Per Well



Immobilized Biotinylated Cynomolgus PSMA, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-PSMA Antibody, hFc Tag with the EC50 of 4.7ng/ml determined by ELISA (QC Test).