

PSMA Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P78026
Synonyms:	GCP2; PSMA; PSMAFGCP; FGCP; Folate hydrolase 1; FOLHNAALADase I; GCPII; GCPIImGCP; NAALAD1; NAALADase I; NAALAdase; FOLH1; GIG27; PSM; FOLH; mGCP
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5VNZ0 (K44-A750)
Gene ID:	101866140
Molecular Weight:	90-110 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus PSMA, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-PSMA Antibody, hFc Tag with the EC ₅₀ of 37.5ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The PSMA Protein is a crucial member of the peptidase M28 family, specifically falling under the M28B subfamily, highlighting its significant role as a peptidase enzyme. As part of this enzyme family, PSMA likely shares conserved structural and functional features with related proteins, suggesting its involvement in the hydrolysis of peptide bonds. The designation within the M28B subfamily underscores its specific classification within the broader peptidase M28 family, providing insight into its distinct enzymatic functions. The study of PSMA contributes to our understanding of its role in cellular processes related to peptide metabolism, offering potential applications in therapeutic interventions and a deeper comprehension of its impact on various biological pathways. Further exploration of PSMA's role promises to enhance our knowledge of its contributions to normal physiology and pathological conditions.
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Caution: Product has not been fully validated for medical applications. For research use only.

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