

Mouse Prostatic Acid Phosphatase, Acp3 ELISA Kit | Acp3 elisa kit

Mouse Prostatic Acid Phosphatase, Acp3 Primacu ELISA Kit

CATALOG #
AAA124114

REACTIVITY
Mouse

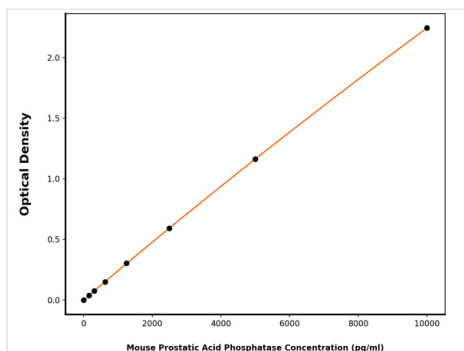
PRODUCT SYNONYMS

Prostatic Acid Phosphatase; Acp3; Mouse Prostatic Acid Phosphatase; Acp3 Primacu ELISA Kit; Prostatic acid phosphatase; Acp3; Acp3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	156.25-10000pg/mL
Sensitivity	39.46pg/mL
Standard Solution	100ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for Acp3 elisa kit	Prostatic acid phosphatase (PAP, or ACPp), also known as prostatic specific acid phosphatase (PSAP), is an enzyme produced by the prostate. As a non-specific phosphomonoesterase, Prostatic acid phosphatase is synthesized and secreted into seminal plasma under androgenic control. The enzyme is a dimer of molecular weight around 100 kDa. Prostatic acid phosphatase is a clinically important protein for its relevance as a biomarker of prostate carcinoma. Furthermore, it has a potential role in fertilization. The major action of PAP is to dephosphorylate macromolecules with the help of catalytic residues (His(12) and Asp(258)) that are located in the cleft between two domains. Cellular prostatic acid phosphatase (cPAP), an authentic tyrosine phosphatase, is proposed to function as a negative growth regulator of prostate cancer (PCa) cells in part through its dephosphorylation of ErbB-2. cPAP functions as a neutral protein tyrosine phosphatase (PTP) in prostate cancer cells and dephosphorylates HER-2/ErbB-2/Neu (HER-2: human epidermal growth factor receptor-2) at the phosphotyrosine (p-Tyr) residues. Injection of the secretory isoform of PAP has potent antinociceptive effects in mouse models of chronic pain. This enzyme exhibits ecto-5'-nucleotidase activity, is widely distributed, and implicated in the formation of chronic pain. Additionally, PAP could be a target molecule in specific immunotherapy for patients with nonprostate adenocarcinomas including colon and gastric cancers.
Product Categories/Family for Acp3 elisa kit	Primacu ELISA Kit; Cancer; Cell biology; Tags & cell markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	46575784
NCBI GeneID	56318
NCBI Accession #	NP_062781.2
NCBI GenBank Nucleotide #	NM_019807.2
UniProt Accession #	Q8CE08; Q8C682; Q9QXH7; A4QPG2; B8JJZ5; B8JJZ6
Molecular Weight	47,863 Da
NCBI Official Full Name	prostatic acid phosphatase isoform 2
NCBI Official Synonym Full Names	acid phosphatase, prostate
NCBI Official Symbol	Acpp
NCBI Official Synonym Symbols	Lap; PAP; FRAP; Ppal; 5'-NT; A030005E02Rik
NCBI Protein Information	prostatic acid phosphatase
UniProt Protein Name	Prostatic acid phosphatase
UniProt Gene Name	Acpp
UniProt Synonym Gene Names	5'-NT; FRAP; TMPase
UniProt Entry Name	PPAP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/prostatic-acid-phosphatase-acp3/124114>