

Human PSP94 ELISA Kit | MSMB elisa kit

Human PSP94 PicoKine ELISA Kit

CATALOG #
AAA45938

REACTIVITY
Human

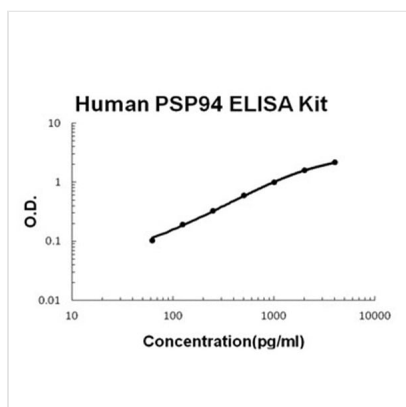
PRODUCT SYNONYMS

PSP94; Human PSP94 PicoKine ELISA Kit; Beta-microseminoprotein; microseminoprotein; beta-; Beta microseminoprotein [Precursor]; HPC 13; HPC13; IGBF; Immunoglobulin binding factor; Immunoglobulin-binding factor; microseminoprotein beta; Msmb; MSMB_HUMAN; MSP; MSPB; PN 44; PN44; Prostate secreted seminal plasma protein; Prostate secretory protein of 94 amino acids; Prostate secretory protein PSP94; PRPS; PRSP; PSP 57; PSP; PSP-94; PSP57; Seminal plasma beta inhibin; Seminal plasma beta-inhibin; MSMB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human PSP94
Sequence Length	114
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human PSP94 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MSMB elisa kit

Principle of the assay: human PSP94 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PSP94 has been precoated onto 96-well plates. Standards(E.coli, S21-I114) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PSP94 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human PSP94 amount of sample captured in plate.

Background: Beta-microseminoprotein, also known as MSMB or PSP94, is a protein that in humans is encoded by the MSMB gene. It is a member of the immunoglobulin binding factor family. This gene is mapped to 10q11.23. It is synthesized by the epithelial cells of the prostate gland and secreted into the seminal plasma. The expression of the encoded protein is found to be decreased in prostate cancer. But transcripts of identical size were found in prostate, respiratory (tracheal, bronchial, and lung) tissues, and the mucosa of the gastric antrum. Thus, the protein may have functions other than those related to male reproduction. This protein has inhibin-like activity. It may have a role as an autocrine paracrine factor in uterine, breast and other female reproductive tissues.

NCBI AND UNIPROT INFORMATION

NCBI GI #	131436
NCBI GeneID	4477
UniProt Accession #	P08118; P11999; Q13125; Q6IAY9; Q9UC59; B1API6
Molecular Weight	8,778 Da
NCBI Official Full Name	Beta-microseminoprotein
NCBI Official Synonym Full Names	microseminoprotein, beta-
NCBI Official Symbol	MSMB
NCBI Official Synonym Symbols	MSP; PSP; IGBF; MSPB; PN44; PRPS; HPC13; PSP57; PSP94; PSP-94
NCBI Protein Information	beta-microseminoprotein; seminal plasma beta-inhibin; immunoglobulin binding factor; prostate secreted seminal plasma protein; prostate secretory protein of 94 amino acids
UniProt Protein Name	Beta-microseminoprotein
UniProt Gene Name	MSMB
UniProt Synonym Gene Names	PRSP; IGBF; PSP-94; PSP94
UniProt Entry Name	MSMB_HUMAN

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/msmb-human-elisa-kits/psp94/45938>