

Human PSP94 ELISA Kit | MSMB elisa kit

Human PSP94 Quick ELISA Kit

CATALOG #
AAA125892

REACTIVITY
Human

PRODUCT SYNONYMS

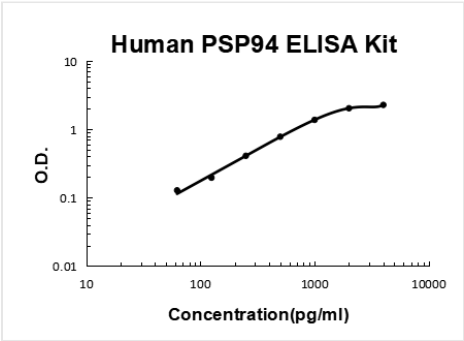
PSP94; Human PSP94 Quick ELISA Kit; PSP94/MSMB|IGBF; MSMB; MSPB; PIP; PN44; PRPS; PSP57; microseminoprotein beta; MSMB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MSMB
Assay Type	Colorimetric sandwich
Samples	cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5pg/ml-4,000pg/ml
Sensitivity	<10pg/ml
Capture/Detection Antibodies	Capture antibody- polyclonal antibody from goat Detection antibody- polyclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.107 0.235 0.303 0.517 0.887 1.483 2.142 2.385
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 165 633 1502 Standard deviation 12.87 47.48 112.65 CV(%) 7.8% 7.5% 7.5%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 143 574 1323 Standard deviation 8.72 50.51 127.01 CV(%) 6.1% 8.8% 9.6%
Reproducibility	To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots. Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%) Sample 1: 165 155 167 152 160 3.51 2.2% Sample 2: 633 650 669 736 672 32.93 4.9% Sample 3: 1502 1245 1397 1305 1362 61.30 4.5% *number of samples for each test n=16.
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen	Expression system for standard: E Coli; Immunogen sequence: S21-I114
Anticoagulant	heparin or EDTA
Benefits	The Quick ELISA kits, assay takes less than 1.5 hours. Detect Human PSP94 with <10pg/ml sensitivity. Format: 96-well plate with removable strips. This is a TMB colorimetric sandwich ELISA kit with short assay time and quick experiment set up.

Principle	Human MSMB Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human MSMB in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Human MSMB with immunogen: Expression system for standard: E Coli; Immunogen sequence: S21-I114. To measure Human MSMB, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human MSMB in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MSMB in the sample.
Assay Procedure Step 1	4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml
TMB Incubation Time	15
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



Application Data

ADDITIONAL INFORMATION

Related Product Information for MSMB elisa kit	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.
Product Categories/Family for MSMB elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	119574070
NCBI GeneID	4477
UniProt Accession #	P08118 ; P11999 ; Q13125 ; Q6IAY9 ; Q9UC59 ; B1API6
Molecular Weight	12,865 Da
NCBI Official Full Name	microseminoprotein, beta-, isoform CRA_c
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/psp94/125892>