

beta-microseminoprotein ELISA Kit | MSMB elisa kit

Human beta-microseminoprotein ELISA Kit

CATALOG #	AAA87983
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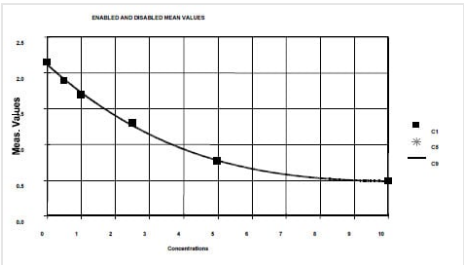
PRODUCT SYNONYMS

beta-microseminoprotein; Human beta-microseminoprotein ELISA Kit; MSMB elisa kit

PRODUCT SPECIFICATIONS

Sequence Length	114
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MSMB elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This BETA-MICROSEMINOPROTEIN ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of BETA-MICROSEMINOPROTEIN in the sample, this BETA-MICROSEMINOPROTEIN ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus BETA-MICROSEMINOPROTEIN concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of BETA-MICROSEMINOPROTEIN utilizes a multiclonal anti-BETA-MICROSEMINOPROTEIN antibody and an BETA-MICROSEMINOPROTEIN-HRP conjugate. The assay sample and buffer are incubated together with BETA-MICROSEMINOPROTEIN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BETA-MICROSEMINOPROTEIN concentration since BETA-MICROSEMINOPROTEIN from samples and BETA-MICROSEMINOPROTEIN-HRP conjugate compete for the anti-BETA-MICROSEMINOPROTEIN antibody binding site. Since the number of sites is limited, as more sites are occupied by BETA-MICROSEMINOPROTEIN from the sample, fewer sites are left to bind BETA-MICROSEMINOPROTEIN-HRP conjugate. Standards of known BETA-MICROSEMINOPROTEIN concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of BETA-MICROSEMINOPROTEIN. The BETA-MICROSEMINOPROTEIN concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557036
NCBI GeneID	4477
NCBI Accession #	NP_002434.1
NCBI GenBank Nucleotide #	NM_002443.3
UniProt Accession #	P08118; P11999; Q13125; Q6IAY9; Q9UC59; B1API6
Molecular Weight	12,865 Da
NCBI Official Full Name	beta-microseminoprotein isoform a
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.