

Datasheet for KOA0704**Human PSP94 ELISA Kit****Overview**

Description:	Human PSP94 AccuSignal ELISA Kit - KOA0704
Item No.:	KOA0704
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

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.
Synonyms:	Beta microseminoprotein [Precursor], Beta-microseminoprotein, 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, PSP94, Seminal plasma beta inhibin, Seminal plasma beta-inhibin
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	MSMB
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S21-I114
Purity/Specificity:	Natural and recombinant human PSP94. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P08118 • NCBI - NP_002434.1 • GeneID - 4477 • KOA0704 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human PSP94 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human PSP94 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

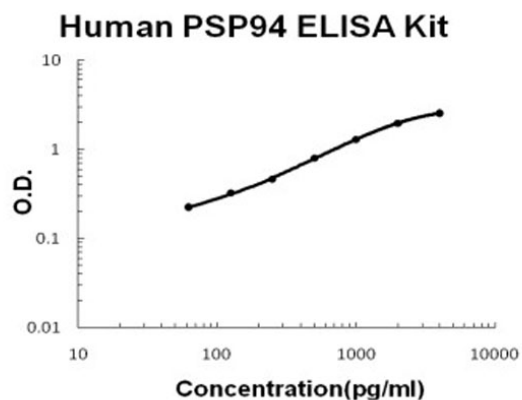
Formulation

Anticoagulant:	Heparin Sodium
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA

Human PSP94 ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.