BMA BIOMEDICALS

Peninsula Laboratories

S-1514

Prostate-Specific Antigen (PSA) (243-261) ELISA

Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein enzyme encoded in humans by the KLK3 gene. PSA is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate gland.

This ELISA was developed with serum from rabbits immunized with Prostate-Specific Antigen (243-261) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A15129
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from production date. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see **www.bma.ch** for protocols and general information.
Range:	0-100ng/ml
Average IC50:	5ng/ml
Immunogen:	Synthetic peptide H-Tyr-Thr-Lys-Val-Val-His-Tyr-Arg-Lys-Trp-Ile-Lys-Asp-Thr-Ile-Val-Ala-Asn-Pro-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Prostate-Specific Antigen (PSA) (243-261)	100
Beta-Casomorphin-5	0
Beta-Casomorphin-7	0

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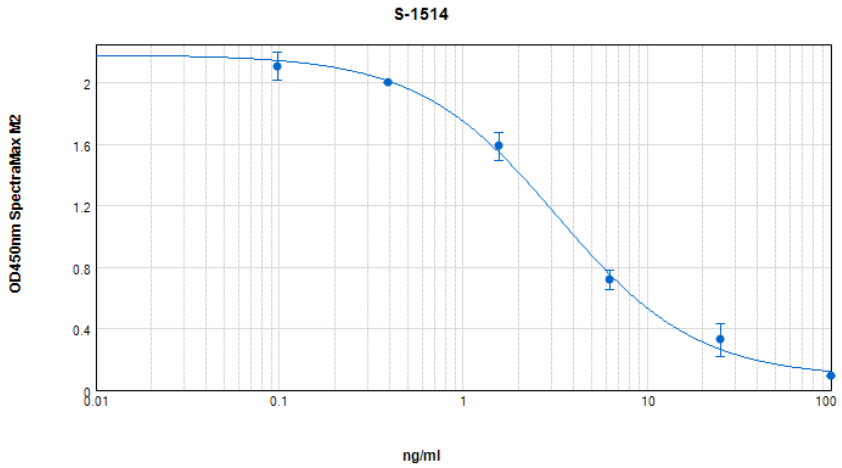
Typical titration curve of Prostate-Specific Antigen (243-261) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.10 to 100ng/ml
Stock	1000	
S1	100.00	Add 100µl Stock + 900µl diluent
S2	25.00	Add 200µl S1 + 600µl diluent
S3	6.25	Add 200µl S2 + 600µl diluent
S4	1.56	Add 200µl S3 + 600µl diluent
S5	0.39	Add 200µl S4 + 600µl diluent
S6	0.10	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: S-1515: ELISA, extraction-free for serum and plasma samples (hu)
T-4872: Rabbit anti Prostate-Specific Antigen (243-261)

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