

Bovine Protamine 1 ELISA Kit | PRM 1 elisa kit

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CATALOG #
AAA88976

REACTIVITY
Bovine

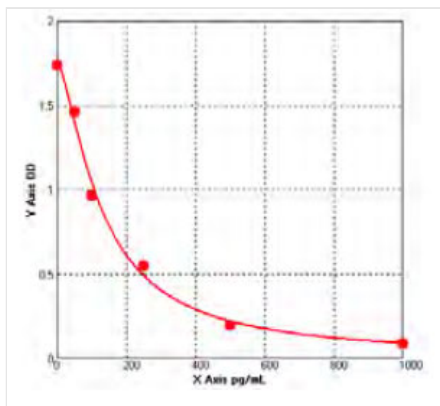
PRODUCT SYNONYMS

Protamine 1; Bovine Protamine 1 ELISA Kit; PRM 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of PRM1. No significant cross-reactivity or interference between PRM1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRM1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRM 1 elisa kit	Intended Uses: This PRM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PRM1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PRM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PRM1 antibody and an PRM1-HRP conjugate. The assay sample and buffer are incubated together with PRM1-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 PRM1 concentration since PRM1 from samples and PRM1-HRP conjugate compete for the anti-PRM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRM1 from the sample, fewer sites are left to bind PRM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRM1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PRM 1 elisa kit	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	886876
UniProt Accession #	P04553
Molecular Weight	6,823 Da
NCBI Official Full Name	protamine 1
UniProt Protein Name	Sperm protamine P1
UniProt Gene Name	PRM1
UniProt Entry Name	HSP1_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.