

Bovine Proteoglycan 4 ELISA Kit | PRG4 elisa kit

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CATALOG #
AAA17068

REACTIVITY
Bovine

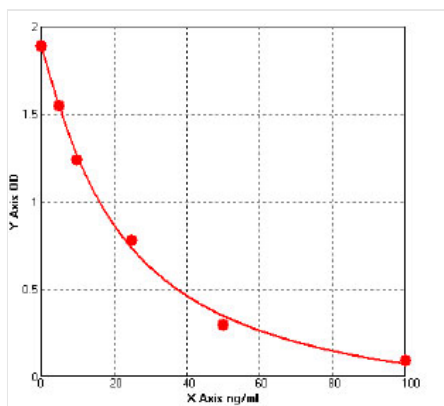
PRODUCT SYNONYMS

Proteoglycan 4; Bovine Proteoglycan 4 ELISA Kit; PRG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of PRG4. No significant cross-reactivity or interference between PRG4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRG4 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 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRG4 elisa kit	Intended Uses: This PRG4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PRG4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PRG4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PRG4 antibody and an PRG4-HRP conjugate. The assay sample and buffer are incubated together with PRG4-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 PRG4 concentration since PRG4 from samples and PRG4-HRP conjugate compete for the anti-PRG4 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRG4 from the sample, fewer sites are left to bind PRG4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRG4 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50345548
Molecular Weight	146,468 Da
NCBI Official Full Name	proteoglycan 4, partial
UniProt Protein Name	Proteoglycan 4
UniProt Gene Name	PRG4
UniProt Synonym Gene Names	MSF; SZP
UniProt Entry Name	PRG4_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.