

Canine Proteoglycan 4 ELISA Kit | PRG4 elisa kit

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CATALOG #
AAA96249

REACTIVITY
Canine

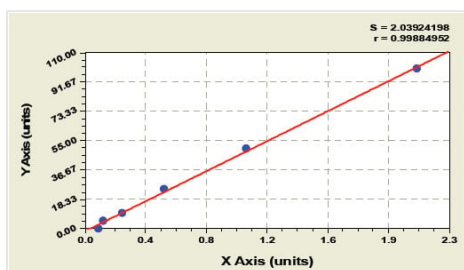
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	0.1 ng/mL.
Intended Uses	This PRG4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PRG4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRG4 elisa kit

Principle of the Assay: PRG4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PRG4. Standards or samples are then added to the microtiter plate wells and PRG4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PRG4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PRG4 are added to each well to "sandwich" the PRG4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PRG4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/prg4-canine-elisa-kits/proteoglycan-4/96249>