

Human Proteoglycan 4 (PRG4) ELISA Kit | PRG4 elisa kit

Human Proteoglycan 4 (PRG4) ELISA Kit

CATALOG #
AAA137725

REACTIVITY
Human

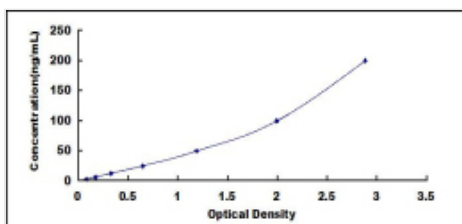
PRODUCT SYNONYMS

Proteoglycan 4 (PRG4); Human Proteoglycan 4 (PRG4) ELISA Kit; MSF; CACP; HAPO; JCAP; SZP; Megakaryocyte Stimulating factor; Articular Superficial Zone Protein; Camptodactyly; Arthropathy; Coxa Vara; Pericarditis Syndrome; PRG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Proteoglycan 4 (PRG4). No significant cross-reactivity or interference between Proteoglycan 4 (PRG4) and analogues was observed.
Sequence Length	1,361
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	24.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Proteoglycan 4 (PRG4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Proteoglycan 4 (PRG4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRG4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Proteoglycan 4 (PRG4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Proteoglycan 4 (PRG4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Proteoglycan 4 (PRG4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Proteoglycan 4 (PRG4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PRG4 elisa kit	Metabolic pathway

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/proteoglycan-4-prg4/137725>