

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

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CATALOG #
AAA330211

REACTIVITY
Rat

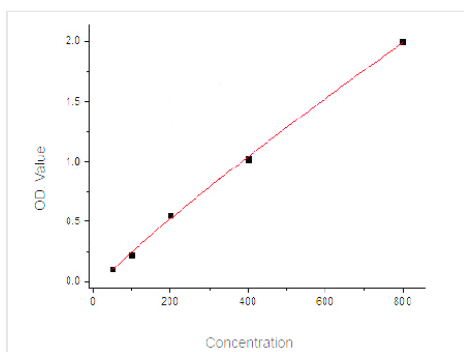
PRODUCT SYNONYMS

Proteoglycan 4 (PRG4); Rat Proteoglycan 4 (PRG4) ELISA Kit; PRG4; GS1-174L6.2; CACP; FLJ32635; HAPO; JCAP; MSF; SZP; bG174L6.2; OTTHUMP00000033580; articular superficial zone protein; bG174L6.2 (MSF: megakaryocyte stimulating factor); lubricin; megakaryocyte stimulat; PRG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Proteoglycan 4 (PRG4) ELISA Kit has high sensitivity and excellent specificity for detection of Rat PRG4. No significant cross-reactivity or interference between Rat PRG4 and analogues was observed.
Sequence Length	1363
Assay Type	Sandwich
Samples	Rat serum, cell culture supernates and other biological fluids
Detection Range	1.5 ng/ml - 24 ng/ml
Sensitivity	< 0.1 ng/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRG4 elisa kit	Principle of the Assay: Rat Proteoglycan 4 (PRG4) ELISA Kit employs a two-site sandwich ELISA to quantitate PRG4 in samples. An antibody specific for Rat PRG4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRG4 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated PRG4 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PRG4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	735997424
NCBI GeneID	10216
NCBI Accession #	NP_001121180.2
NCBI GenBank Nucleotide #	NP_001121180.2
UniProt Accession #	Q92954
NCBI Official Full Name	proteoglycan 4 isoform B preproprotein
NCBI Official Synonym Full Names	proteoglycan 4
NCBI Official Symbol	PRG4
NCBI Official Synonym Symbols	MSF; SZP; CACP; HAPO; JCAP
NCBI Protein Information	proteoglycan 4
UniProt Protein Name	Proteoglycan 4
UniProt Gene Name	PRG4
UniProt Synonym Gene Names	MSF; SZP

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/rat-elisa-kits/proteoglycan-4-prg4/330211>