

Human proteoglycan 4 ELISA Kit | PRG4 elisa kit

Human proteoglycan 4, PRG4 ELISA Kit

CATALOG #
AAA14989

REACTIVITY
Human

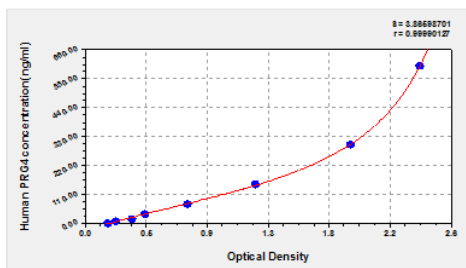
PRODUCT SYNONYMS

proteoglycan 4; Human proteoglycan 4; PRG4 ELISA Kit; Human proteoglycan 4 (PRG4) ELISA Kit; 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PRG4. No significant cross-reactivity or interference between human PRG4 and analogues was observed.
Sequence Length	1363
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and tissue homogenates
Detection Range	0.78 ng/ml-50 ng/ml
Sensitivity	< 0.195 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRG4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for 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, a biotin-conjugated antibody specific for PRG4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate 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 #	189181720
NCBI GeneID	10216
NCBI Accession #	NP_001121180.1
NCBI GenBank Nucleotide #	NM_001127708.1
UniProt Accession #	Q92954; Q6DNC4; Q6DNC5; Q6ZMZ5; Q9BX49
Molecular Weight	151,077 Da
NCBI Official Full Name	proteoglycan 4 isoform B
NCBI Official Synonym Full Names	proteoglycan 4
NCBI Official Symbol	PRG4
NCBI Official Synonym Symbols	MSF; SZP; CACP; HAPO; JCAP; bG174L6.2
NCBI Protein Information	proteoglycan 4; lubricin; superficial zone proteoglycan; megakaryocyte stimulating factor; megakaryocyte-stimulating factor; articular superficial zone protein; bG174L6.2 (MSF: megakaryocyte stimulating factor)
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-human-elisa-kits/proteoglycan-4/14989>