

Human PRG4 ELISA Kit | PRG4 elisa kit

Human PRG4 (Proteoglycan 4) ELISA Kit

CATALOG #
AAA21678

REACTIVITY
Human

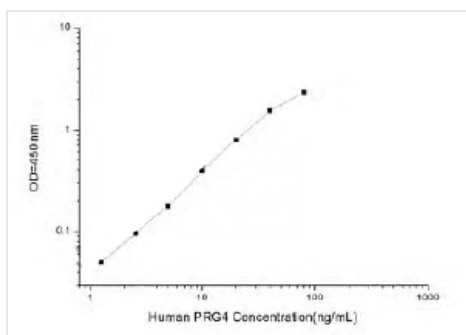
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human PRG4 in samples. No significant cross-reactivity or interference between Human PRG4 and analogues was observed.
Sequence Length	1404
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.25-80ng/mL
Sensitivity	0.75ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human PRG4 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human PRG4 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRG4 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human PRG4 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human PRG4. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human PRG4 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human PRG4, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human PRG4. You can calculate the concentration of Human PRG4 in the samples by comparing the OD of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	67190163
NCBI GeneID	10216
NCBI Accession #	NP_005798.2
NCBI GenBank Nucleotide #	NM_005807.3
UniProt Accession #	Q92954; Q6DNC4; Q6DNC5; Q6ZMZ5; Q9BX49
Molecular Weight	146,468 Da
NCBI Official Full Name	proteoglycan 4 isoform A
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; articular superficial zone protein; hemangiopoietin; lubricin; megakaryocyte stimulating factor; superficial zone proteoglycan
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.