

Human Bone marrow proteoglycan (PRG2) ELISA Kit | PRG2 elisa kit

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CATALOG #
AAA246200

REACTIVITY
Human

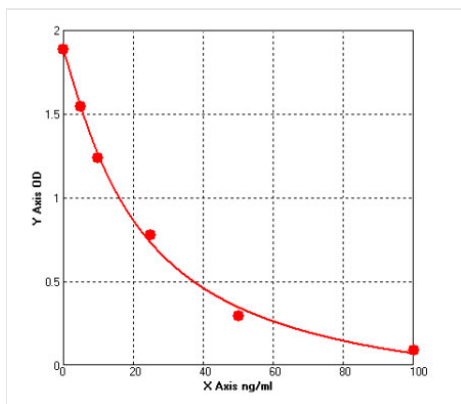
PRODUCT SYNONYMS

Bone marrow proteoglycan (PRG2); Human Bone marrow proteoglycan (PRG2) ELISA Kit; PRG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRG2. No significant cross-reactivity or interference between PRG2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRG2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This PRG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRG2. 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 PRG2 elisa kit	Principle of the Assay: PRG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PRG2 antibody and an PRG2-HRP conjugate. The assay sample and buffer are incubated together with PRG2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PRG2 concentration since PRG2 from samples and PRG2-HRP conjugate compete for the anti-PRG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRG2 from the sample, fewer sites are left to bind PRG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRG2 concentration in each sample is interpolated from this standard curve. Intended Uses: This PRG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRG2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for PRG2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	342837699
NCBI GeneID	5553
NCBI Accession #	NP_001230174.1
NCBI GenBank Nucleotide #	NM_001243245.1
Molecular Weight	25,206 Da
NCBI Official Full Name	bone marrow proteoglycan isoform 2 preproprotein
NCBI Official Synonym Full Names	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
NCBI Official Symbol	PRG2
NCBI Official Synonym Symbols	MBP; BMPG; MBP1
NCBI Protein Information	bone marrow proteoglycan; bone-marrow proteoglycan; proteoglycan 2 preproprotein; natural killer cell activator; eosinophil major basic protein; eosinophil granule major basic protein
UniProt Protein Name	Bone marrow proteoglycan
UniProt Gene Name	PRG2
UniProt Synonym Gene Names	MBP; BMPG; EMBP; MBP
UniProt Entry Name	PRG2_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/human-elisa-kits/bone-marrow-proteoglycan-prg2/246200>