

Human Proteoglycan 3 (PRG3) ELISA Kit | PRG3 elisa kit

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CATALOG #
AAA331346

REACTIVITY
Human

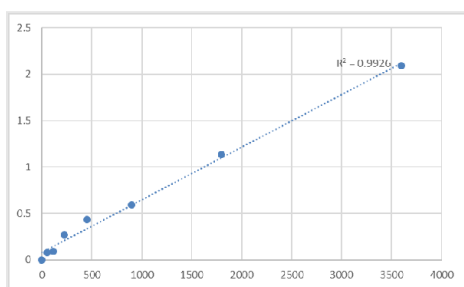
PRODUCT SYNONYMS

Proteoglycan 3 (PRG3); Human Proteoglycan 3 (PRG3) ELISA Kit; PRG3; MBP2; MBPH; MGC126662; MGC141971; prepro-major basic protein homolog; PRG3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proteoglycan 3 (PRG3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRG3. No significant cross-reactivity or interference between Human PRG3 and analogues was observed.
Sequence Length	225
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Proteoglycan 3 (PRG3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRG3 elisa kit	Description: This Human Proteoglycan 3 (PRG3) ELISA Kit employs a two-site sandwich ELISA to quantitate PRG3 in samples. An antibody specific for PRG3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRG3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRG3 is added to the wells. After washing, Streptavidin 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 PRG3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Through large-scale sequencing, Plager et al. (1999) identified PRG3 as one of several transcripts upregulated in umbilical cord precursor cells following stimulation with interleukin-5. Using this sequence as probe, Plager et al. (2001) cloned PRG3 from a phage genomic library of placental tissues. Plager et al. (1999) found that the cDNA sequence predicts a mature 117-amino acid protein with a prepro- region of 108 amino acids. PRG3 shares 49% amino acid sequence identity with PRG2. RT-PCR demonstrated that PRG3 is expressed exclusively in bone marrow. Protein purified from eosinophil granules showed a molecular mass of 13.4 kD.Plager et al. (1999) found that the biologic activity of PRG3 is similar to that of PRG2 in cell killing and in neutrophil and basophil stimulation assays, but usually with reduced potency.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223633965
NCBI GeneID	10394
NCBI Accession #	NP_006084.2
NCBI GenBank Nucleotide #	NP_006084.2
UniProt Accession #	Q9Y2Y8
NCBI Official Full Name	proteoglycan 3
NCBI Official Synonym Full Names	proteoglycan 3, pro eosinophil major basic protein 2
NCBI Official Symbol	PRG3
NCBI Official Synonym Symbols	MBP2; MBPH
NCBI Protein Information	proteoglycan 3
UniProt Protein Name	Proteoglycan 3
UniProt Gene Name	PRG3
UniProt Synonym Gene Names	Prepro-MBPH

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/proteoglycan-3-prg3/331346>