

Human Eosinophil Granule Major Basic Protein (EMBP/MBP) ELISA Kit | EMBP/MBP elisa kit

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CATALOG #
AAA331347

REACTIVITY
Human

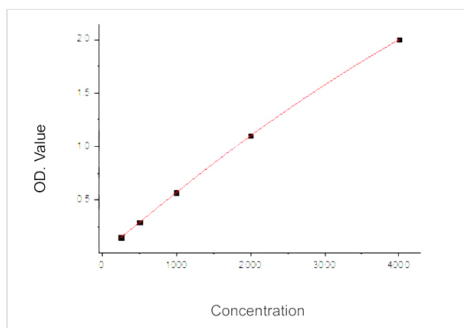
PRODUCT SYNONYMS

Eosinophil Granule Major Basic Protein (EMBP/MBP); Human Eosinophil Granule Major Basic Protein (EMBP/MBP) ELISA Kit; PRG2; BMPG; MBP; MBP1; MGC14537; bone-marrow proteoglycan; eosinophil granule major basic protein; eosinophil major basic protein; natural killer cell activator; proteoglycan 2; proteoglycan 2 preproprotein; EMBP/MBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Eosinophil Granule Major Basic Protein (EMBP/MBP) ELISA Kit has high sensitivity and excellent specificity for detection of Human EMBP/MBP. No significant cross-reactivity or interference between Human EMBP/MBP and analogues was observed.
Sequence Length	222
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	250 pg/ml - 4000 pg/ml
Sensitivity	< 25pg/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 EMBP/MBP elisa kit	Background: Eosinophil granule major basic protein encoded by EMBP/MBP gene is the predominant constituent of the crystalline core of the eosinophil granule. High levels of the proform of this protein are also present in placenta and pregnancy serum, where it exists as a complex with several other proteins including pregnancy-associated plasma protein A (PAPPA), angiotensinogen (AGT), and C3dg. This protein may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin, and in immune hypersensitivity reactions. Principle of the Assay: Human Eosinophil Granule Major Basic Protein (EMBP/MBP) ELISA Kit employs a two-site sandwich ELISA to quantitate EMBP/MBP in samples. An antibody specific for EMBP/MBP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any EMBP/MBP present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human EMBP/MBP 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 EMBP/MBP bound in the initial step.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281185479
NCBI GeneID	5553
UniProt Accession #	P13727
NCBI Official Full Name	Bone marrow proteoglycan
NCBI Official Synonym Full Names	proteoglycan 2, pro eosinophil major basic protein
NCBI Official Symbol	PRG2
NCBI Official Synonym Symbols	MBP; BMPG; MBP1; proMBP
NCBI Protein Information	bone marrow proteoglycan
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.