

# Mouse proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) ELISA Kit | PRG2 elisa kit

Mouse Bone marrow proteoglycan, PRG2 ELISA Kit

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|------------------------------|----------------------------|
| CATALOG #<br><b>AAA18283</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

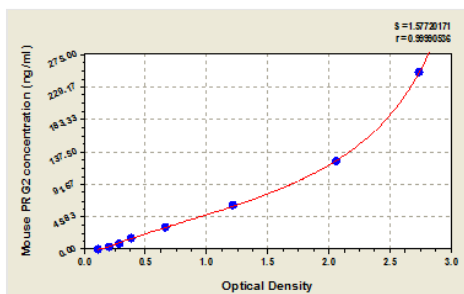
## PRODUCT SYNONYMS

proteoglycan 2; bone marrow (natural killer cell activator; eosinophil granule major basic protein); Mouse Bone marrow proteoglycan; PRG2 ELISA Kit; Mouse Bone marrow proteoglycan (PRG2) ELISA kit; BMPG; MBP; MBP1; MGC14537; bone-marrow proteoglycan; eosinophil granule major basic protein; eosinophil major basic protein; natural killer cell activator; proteoglycan 2 preproprotein; PRG2 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human PRDX2. No significant cross-reactivity or interference between human PRDX2 and analogues was observed. |
| Sequence Length         | 223                                                                                                                                                                                     |
| Samples                 | Serum, Plasma, Tissue Homogenates, Cell Lysates                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                   |
| Detection Range         | 47 pg/ml-3000 pg/ml                                                                                                                                                                     |
| Sensitivity             | 11.75 pg/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

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for PRG2 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PRDX2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDX2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDX2 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 PRDX2 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 #                        | 6679457                                               |
| NCBI GeneID                      | 19074                                                 |
| NCBI Accession #                 | NP_032946.1                                           |
| NCBI GenBank Nucleotide #        | NM_008920.4                                           |
| UniProt Accession #              | Q61878                                                |
| Molecular Weight                 | 24,255 Da                                             |
| NCBI Official Full Name          | bone marrow proteoglycan                              |
| NCBI Official Synonym Full Names | proteoglycan 2, bone marrow                           |
| NCBI Official Symbol             | Prg2                                                  |
| NCBI Official Synonym Symbols    | MBP; mMBP; mMBP-1                                     |
| NCBI Protein Information         | bone marrow proteoglycan; BMPG; major basic protein 1 |
| UniProt Protein Name             | Bone marrow proteoglycan                              |
| UniProt Gene Name                | Prg2                                                  |
| UniProt Synonym Gene Names       | Mbp-1; BMPG; EMBP; MBP                                |
| UniProt Entry Name               | PRG2_MOUSE                                            |

**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://www.aaabiotech.com/prg2-mouse-elisa-kits/proteoglycan-2-bone-marrow-natural-killer-cell-activator-eosinophil-granule-major-basic-protein/18283>