

## Mouse Hematopoietic prostaglandin D synthase ELISA Kit | Hpgds elisa kit

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CATALOG #  
**AAA56279**

REACTIVITY  
**Mouse**

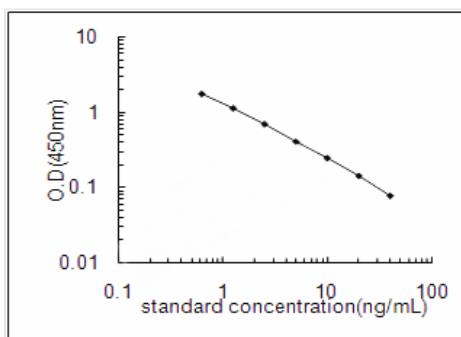
### PRODUCT SYNONYMS

Hematopoietic prostaglandin D synthase; Mouse Hematopoietic prostaglandin D synthase ELISA Kit; Hpgds elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| Reactivity              | Mouse                                                               |
| Specificity             | Recombinant and natural Mouse H-PGDS                                |
| Sequence Length         | 199                                                                 |
| Assay Type              | Competitive                                                         |
| Detection Range         | 0.625-40 ng/ml                                                      |
| Sensitivity             | 0.324 ng/mL                                                         |
| Intra-Assay CV          | <=6.3%                                                              |
| Inter-Assay CV          | <=8.1%                                                              |
| Recovery                | 103%                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Hpgds elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> <p>Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. During the reaction, target antigen in the sample or standard competes with a fixed amount of biotin-labeled target antigen for sites on a pre-coated antibody specific to target antigen. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 254281300                              |
| NCBI GeneID                      | 54486                                  |
| NCBI Accession #                 | NP_062328.3                            |
| NCBI GenBank Nucleotide #        | NM_019455.4                            |
| UniProt Accession #              | Q9JHF7; Q14AR4; Q8CA80                 |
| Molecular Weight                 | 23,227 Da                              |
| NCBI Official Full Name          | hematopoietic prostaglandin D synthase |
| NCBI Official Synonym Full Names | hematopoietic prostaglandin D synthase |
| NCBI Official Symbol             | Hpgds                                  |
| NCBI Official Synonym Symbols    | H-PGDS; Ptgds2                         |
| NCBI Protein Information         | hematopoietic prostaglandin D synthase |
| UniProt Protein Name             | Hematopoietic prostaglandin D synthase |
| UniProt Gene Name                | Hpgds                                  |
| UniProt Synonym Gene Names       | Gsts; Pgds; Ptgds2; H-PGDS             |
| UniProt Entry Name               | HPGDS_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.