

## PGDS mouse monoclonal antibody (hybridoma)

Catalog # H00027306-M

Size Up to 5 Clones

### Specification

|                                      |                                                                                                                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full-length recombinant PGDS.                                                                                                                                      |
| <b>Immunogen</b>                     | PGDS (NP_055300.1, 1 a.a. ~ 199 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                         |
| <b>Sequence</b>                      | MPNYKLTyFNMRGAEIIRYIFAYLDIQYEDHRIEQADWPEIKSTLPFGKIPILEVDGLTLHQSLAIARYL<br>TKNTDLAGNTEMEQCHVDAIVDTLDDFMSCFPWAEKKQDVKEQMFNELLTYNAPHLMQDLDTYL<br>GGREWLIGNSVTWADFYWEICSTLLVFKPDLLDNHPRLVTLRKKVQAIPAVANWIKRRPQTKL |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                         |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                         |
| <b>Interspecies Antigen Sequence</b> | Mouse (80)                                                                                                                                                                                                    |
| <b>Quality Control Testing</b>       | Antibody reactivity and specificity confirmed by ELISA and Western Blot.                                                                                                                                      |
| <b>Deliverables</b>                  | Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.                                                                                                                       |
| <b>Note</b>                          | Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.                    |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — PGDS

Entrez GeneID [27306](#)

GeneBank Accession# [NM\\_014485.2](#)

Protein Accession# [NP\\_055300.1](#)

Gene Name PGDS

Gene Alias -

Gene Description prostaglandin D2 synthase, hematopoietic

Omim ID [602598](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH2 to PGD2 and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes. [provided by RefSeq]

**Other Designations** hematopoietic prostaglandin D2 synthase|prostaglandin-D synthase

## Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

## Disease

- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)