

## Rabbit PGD Monoclonal Antibody | anti-PGD antibody

Recombinant PGD Monoclonal Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA178873</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

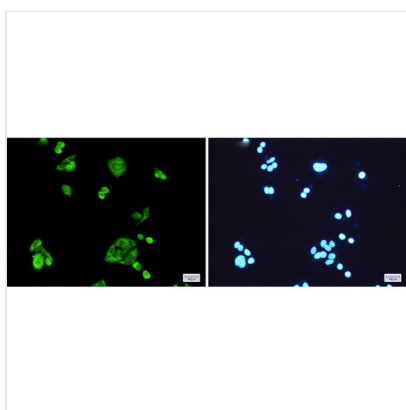
### PRODUCT SYNONYMS

PGD; Monoclonal Antibody; Recombinant PGD Monoclonal Antibody; 0610042A05Rik; 6-phosphogluconate dehydrogenase; decarboxylating; 6-phosphogluconate dehydrogenase; 6PGD; AU019875; C78335; OTTMUSP00000011754; Pgd; Phosphogluconate dehydrogenase; RP23-249G3.4; anti-PGD antibody

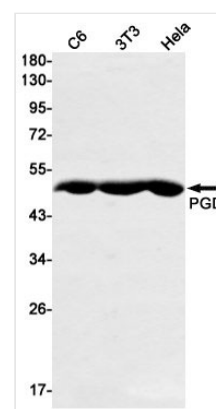
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                               |
| Reactivity                                    | Human, Mouse, Rat                                                                                    |
| Clonality                                     | Monoclonal                                                                                           |
| Isotype                                       | IgG                                                                                                  |
| Clone Number                                  | R02-7C6                                                                                              |
| Purity/Purification                           | Affinity Purified                                                                                    |
| Form/Format                                   | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| Concentration                                 | 300ug/mL (varies by lot)                                                                             |
| Applicable Applications for anti-PGD antibody | IF (Immunofluorescence), WB (Western Blot)                                                           |
| Immunogen                                     | A synthetic peptide of human PGD                                                                     |
| Research Area                                 | Cancer, Metabolism, Signal Transduction                                                              |
| Preparation and Storage                       | Storage: -20 degree C/One year. Avoid freeze/thaw cycles.                                            |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence of PGD(green) in HeLa cells using PGD Rabbit mAb at dilution 1:200, and DAPI(blue)


**WB (Western Blot)**

Western blot detection of PGD in C6,3T3,HeLa cell lysates using PGD Rabbit mAb(1:1000 diluted).Predicted band size:53kDa.Observed band size:49kDa.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PGD antibody | 6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies. Several transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-PGD antibody   | Antibodies; Primary Antibodies; Recombinant Antibody                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 40068518                                          |
| NCBI GeneID                      | 5226                                              |
| NCBI Accession #                 | NP_002622.2                                       |
| NCBI GenBank Nucleotide #        | NM_002631.2                                       |
| UniProt Accession #              | P52209; Q9BWD8; A8K2Y9                            |
| Molecular Weight                 | 53,140 Da                                         |
| NCBI Official Full Name          | 6-phosphogluconate dehydrogenase, decarboxylating |
| NCBI Official Synonym Full Names | phosphogluconate dehydrogenase                    |
| NCBI Official Symbol             | PGD                                               |
| NCBI Official Synonym Symbols    | 6PGD                                              |
| NCBI Protein Information         | 6-phosphogluconate dehydrogenase, decarboxylating |
| UniProt Protein Name             | 6-phosphogluconate dehydrogenase, decarboxylating |
| UniProt Gene Name                | PGD                                               |
| UniProt Synonym Gene Names       | PGDH                                              |
| UniProt Entry Name               | 6PGD_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pgd-antibody-clone-r02-7c6-immunofluorescence-western-blot-elisa/178873>