

ARG57072 anti-PGD antibody [46B3]

Package: 50 µl
Store at: -20°C

Summary

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|---------------------|--|
| Product Description | Mouse Monoclonal antibody [46B3] recognizes PGD |
| Tested Reactivity | Hu |
| Tested Application | WB |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 46B3 |
| Isotype | IgG2b, kappa |
| Target Name | PGD |
| Species | Human |
| Immunogen | Recombinant fragment around aa. 1-483 of Human PGD. |
| Conjugation | Un-conjugated |
| Alternate Names | 6PGD; 6-phosphogluconate dehydrogenase, decarboxylating; EC 1.1.1.44 |

Application Instructions

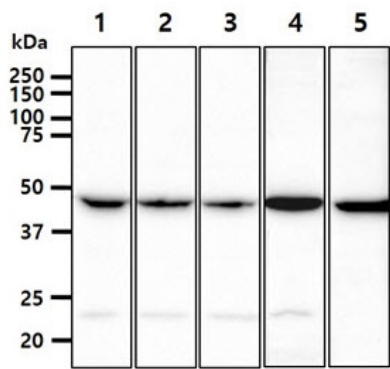
| | | |
|-------------------|--|-----------------|
| Application table | Application | Dilution |
| | WB | Assay-dependent |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Purification | Purification with Protein A. |
| Buffer | PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 10% Glycerol |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

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| Database links | GeneID: 5226 Human Swiss-port # P52209 Human |
| Gene Symbol | PGD |
| Gene Full Name | phosphogluconate dehydrogenase |
| Background | 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. [provided by RefSeq, Jan 2015] |
| Function | Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH. [UniProt] |
| Highlight | Related news: Disulfidptosis markers: |
| Calculated Mw | 53 kDa |

Images



ARG57072 anti-PGD antibody [46B3] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) MCF7 cell lysate, 3) 293T cell lysate, 4) A549 cell lysate, 5) Jurkat cell lysate stained with ARG57072 anti-PGD antibody [46B3] at 1:1000.