

Human Phosphogluconate dehydrogenase ELISA Kit | PGD elisa kit

Human Phosphogluconate dehydrogenase (PGD) ELISA Kit

CATALOG #
AAA55370

REACTIVITY
Human

PRODUCT SYNONYMS

Phosphogluconate dehydrogenase; Human Phosphogluconate dehydrogenase (PGD) ELISA Kit; PGD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PGD. No significant cross-reactivity or interference between Human PGD and analogues was observed.
Sequence Length	246
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PGD elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PGD in samples. An antibody specific for PGD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPGD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PGD is added to the wells. After washing, Streptavidin 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 PGD 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 #	751130505
NCBI GeneID	5226
NCBI Accession #	NP_001291380.1
NCBI GenBank Nucleotide #	NM_001304451.1
UniProt Accession #	P52209 ; Q9BWD8 ; A8K2Y9 ; B4DQJ8

Molecular Weight	51,872 Da
NCBI Official Full Name	6-phosphogluconate dehydrogenase, decarboxylating isoform 2
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

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/pgd-human-elisa-kits/phosphogluconate-dehydrogenase/55370>