

Human Permeability Glycoprotein (Pgp) ELISA Kit | Pgp elisa kit

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CATALOG #
AAA14027

REACTIVITY
Human

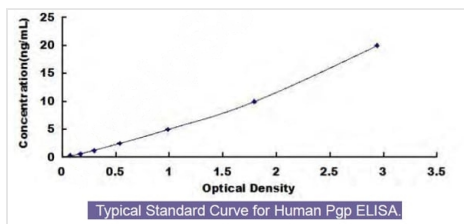
PRODUCT SYNONYMS

Permeability Glycoprotein (Pgp); Human Permeability Glycoprotein (Pgp) ELISA Kit; CD243; ABCB1; ABC20; CLCS; GP170; MDR1; PGY1; P-Glycoprotein; Multidrug resistance protein 1; ATP-Binding Cassette; Sub-Family B(MDR/TAP); Member 1; Colchicin Sensitivity; Pgp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Pgp. No significant cross-reactivity or interference between Pgp and analogues was observed.
Sequence Length	321
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.114ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Pgp were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Pgp were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pgp elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Pgp. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to Pgp. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Pgp, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Pgp in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of Pgp in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	108796653
NCBI GeneID	283871
NCBI Accession #	NP_001035830.1
NCBI GenBank Nucleotide #	NM_001042371.2
UniProt Accession #	A6NDG6
Molecular Weight	34,006 Da
NCBI Official Full Name	glycerol-3-phosphate phosphatase
NCBI Official Synonym Full Names	phosphoglycolate phosphatase
NCBI Official Symbol	PGP
NCBI Official Synonym Symbols	AUM; G3PP; PGPase
NCBI Protein Information	glycerol-3-phosphate phosphatase
UniProt Protein Name	Glycerol-3-phosphate phosphatase
UniProt Gene Name	PGP
UniProt Synonym Gene Names	PGP

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/human-elisa-kits/permeability-glycoprotein-gpg/14027>