

Human P-GP ELISA Kit | P-GP elisa kit

Human P-GP (Permeability Glycoprotein) ELISA Kit

CATALOG #
AAA21608

REACTIVITY
Human

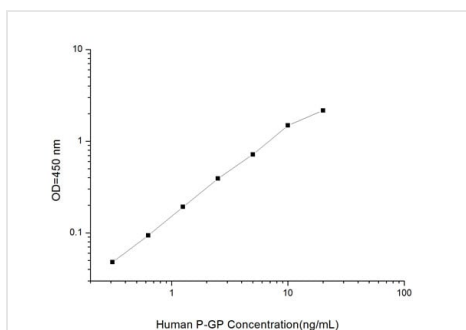
PRODUCT SYNONYMS

P-GP; Human P-GP (Permeability Glycoprotein) ELISA Kit; P-GP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human P-GP in samples. No significant cross-reactivity or interference between Human P-GP and analogues was observed.
Sequence Length	832
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human P-GP were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human P-GP were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P-GP elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human P-GP. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human P-GP and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human P-GP, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human P-GP. You can calculate the concentration of Human P-GP in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human P-GP concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33307712
NCBI GeneID	340273
UniProt Accession #	Q2M3G0; Q2M3I5; Q5I5Q7; Q5I5Q8; Q6KG50; A4D131; A7BKA4; B5MD19; B7WPL1; F8QQP8; F8QQP9; J3KQ04
Molecular Weight	89,832 Da
NCBI Official Full Name	P-glycoprotein
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 5
NCBI Official Symbol	ABCB5
NCBI Official Synonym Symbols	ABCB5beta; EST422562; ABCB5alpha
NCBI Protein Information	ATP-binding cassette sub-family B member 5; ABCB5 P-gp; ATP-binding cassette protein; P-glycoprotein ABCB5
UniProt Protein Name	ATP-binding cassette sub-family B member 5
UniProt Gene Name	ABCB5
UniProt Entry Name	ABCB5_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.