

Human Permeability glycoprotein ELISA Kit | P gp elisa kit

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CATALOG #
AAA86109

REACTIVITY
Human

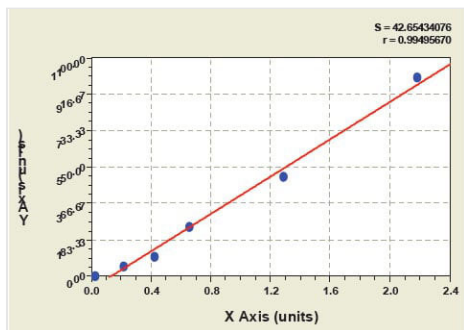
PRODUCT SYNONYMS

Permeability glycoprotein; Human Permeability glycoprotein ELISA Kit; P gp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This P-gp ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human P-gp. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P gp elisa kit

Principle of the Assay: P-gp ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for P-gp. Standards or samples are then added to the microtiter plate wells and P-gp if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of P-gp present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for P-gp are added to each well to "sandwich" the P-gp immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain P-gp and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P-gp concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33307712
NCBI GeneID	340273
Molecular Weight	138,641 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; P-glycoprotein ABCB5; ATP-binding cassette protein
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.

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Online datasheet: <https://stage.aaabiotech.com/p-gp-human-elisa-kits/permeability-glycoprotein/86109>