

Rat permeability glycoprotein, P-gp ELISA Kit | P-gp elisa kit

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CATALOG #
AAA82051

REACTIVITY
Rat

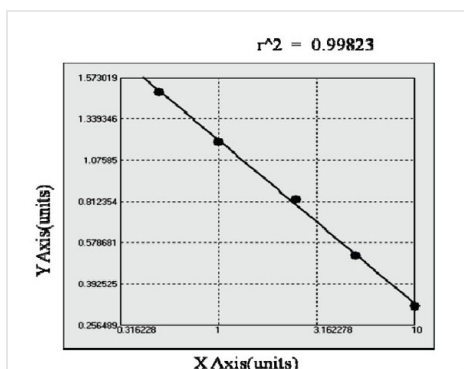
PRODUCT SYNONYMS

permeability glycoprotein; P-gp; Rat permeability glycoprotein; P-gp ELISA Kit; P-gp ELISA Kit (Rat); P-gp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This P-gp ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-P-gp antibody and an P-gp-HRP conjugate. The assay sample and buffer are incubated together with P-gp-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the P-gp concentration since P-gp from samples and P-gp-HRP conjugate compete for the anti-P-gp antibody binding site. Since the number of sites is limited, as more sites are occupied by P-gp from the sample, fewer sites are left to bind P-gp-HRP conjugate. 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.

Product Categories/Family for P-gp elisa kit

[Rat ELISA Kit](#)

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/rat-elisa-kits/permeability-glycoprotein-p-gp/82051>