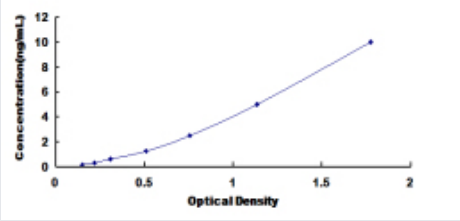
Permeability Glyco (PGP) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Permeability Glycoprotein (Pgp), ELISA Kit
Full Product Name	Mouse Permeability Glycoprotein (Pgp) ELISA Kit
Product Gene Name	Pgp elisa kit
Product Synonym Names	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
Species Reactivity	Mouse
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Permeability Glycoprotein (Pgp). No significant cross-reactivity or interference between Permeability Glycoprotein (Pgp) and analogues was observed.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Permeability Glycoprotein (Pgp) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Permeability Glycoprotein (Pgp) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Product Categories/Family for Pgp elisa kit	Signal transduction; CD & Adhesion molecule; Tumor immunity; Infection immunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Related Product Information for Pgp elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Permeability Glycoprotein (Pgp). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Permeability Glycoprotein (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 Permeability Glycoprotein (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 Permeability Glycoprotein (Pgp) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Other Notes	Small volumes of Pgp elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Pgp purchase	MBS2022443 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Permeability Glycoprotein (Pgp) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Pgp. The ELISA analytical biochemical technique of the MBS2022443 kit is based on Pgp antibody-Pgp antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Pgp antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Pgp. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of Pgp elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pgp. It may not necessarily be applicable to this product.

Protein Family	Glycerol-3-phosphate phosphatase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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