

Rat PDI ELISA Kit | PDI elisa kit

Rat PDI (Protein Disulfide Isomerase) ELISA Kit

CATALOG #
AAA163535

REACTIVITY
Rat

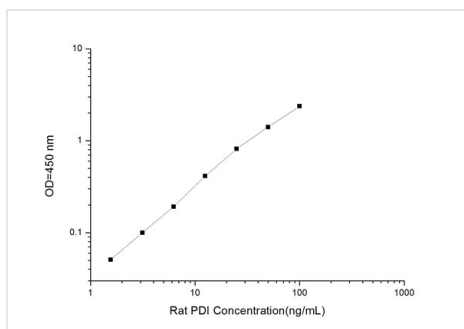
PRODUCT SYNONYMS

PDI; Rat PDI (Protein Disulfide Isomerase) ELISA Kit; PDI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat PDI. No significant cross-reactivity or interference between Rat PDI and analogues was observed.
Sequence Length	24
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	1.563-100ng/mL
Sensitivity	Min: 0.938ng/mL; Max: 100ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDI elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat PDI concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to PDI. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for PDI and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain PDI, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid 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 PDI. You can calculate the concentration of PDI in the samples by comparing the OD of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	13540806
NCBI GeneID	5034
UniProt Accession #	P07237; P30037; P32079; Q15205; Q6LDE5; B2RDQ2
Molecular Weight	57,116 Da
NCBI Official Full Name	protein disulfide isomerase, partial
NCBI Official Synonym Full Names	prolyl 4-hydroxylase, beta polypeptide
NCBI Official Symbol	P4HB
NCBI Official Synonym Symbols	DSI; GIT; PDI; PHDB; PDIA1; PO4DB; PO4HB; PROHB; ERBA2L; P4Hbeta
NCBI Protein Information	protein disulfide-isomerase; cellular thyroid hormone-binding protein; collagen prolyl 4-hydroxylase beta; glutathione-insulin transhydrogenase; p55; procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide; prolyl 4-hydroxylase subunit beta; protein disulfide isomerase family A, member 1; protein disulfide isomerase-associated 1; protein disulfide isomerase/oxidoreductase; procollagen hydroxylase; thyroid hormone-binding protein p55
UniProt Protein Name	Protein disulfide-isomerase
UniProt Gene Name	P4HB
UniProt Synonym Gene Names	ERBA2L; PDI; PDIA1; PO4DB; PDI
UniProt Entry Name	PDIA1_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.