

Rat Paraoxonase ELISA Kit | PON elisa kit

Rat Paraoxonase ELISA Kit

CATALOG #
AAA82254

REACTIVITY
Rat

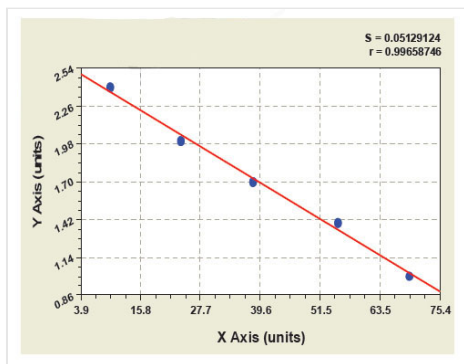
PRODUCT SYNONYMS

Paraoxonase; Rat Paraoxonase ELISA Kit; PON elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This BG PON ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PON. 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 PON elisa kit

Principle of the Assay: PON ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PON antibody and an PON-HRP conjugate. The assay sample and buffer are incubated together with PON-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 PON concentration since PON from samples and PON-HRP conjugate compete for the anti-PON antibody binding site. Since the number of sites is limited, as more sites are occupied by PON from the sample, fewer sites are left to bind PON-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PON concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4105841
NCBI GeneID	5444
Molecular Weight	39,731 Da
NCBI Official Full Name	paraoxonase, partial
NCBI Official Synonym Full Names	paraoxonase 1
NCBI Official Symbol	PON1
NCBI Official Synonym Symbols	ESA; PON; MVCD5
NCBI Protein Information	serum paraoxonase/arylesterase 1; K-45; PON 1; esterase A; A-esterase 1; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldiarylphosphatase; serum aryldialkylphosphatase 1
UniProt Protein Name	Serum paraoxonase/arylesterase 1
UniProt Gene Name	PON1
UniProt Synonym Gene Names	PON; PON 1; A-esterase 1
UniProt Entry Name	PON1_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.