

Human Paraoxonase 1 (PON1) ELISA Kit | PON1 elisa kit

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CATALOG #
AAA67747

REACTIVITY
Human

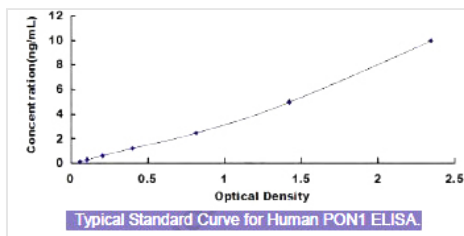
PRODUCT SYNONYMS

Paraoxonase 1 (PON1); Human Paraoxonase 1 (PON1) ELISA Kit; ESA; PON; Esterase A; Serum paraoxonase/arylesterase 1; Aromatic esterase 1; A-esterase 1; Serum arylalkylphosphatase 1; PON1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PON1. No significant cross-reactivity or interference between PON1 and analogues was observed.
Sequence Length	355
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.44ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PON1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PON1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PON1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PON1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PON1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PON1. 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 PON1, 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 PON1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19923106
NCBI GeneID	5444
NCBI Accession #	NP_000437.3
NCBI GenBank Nucleotide #	NM_000446.5
UniProt Accession #	P27169; Q16052; Q6B0J6; Q9UCB1; B2RA40
Molecular Weight	39,731 Da
NCBI Official Full Name	serum paraoxonase/arylesterase 1
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
UniProt Protein Name	Serum paraoxonase/arylesterase 1
UniProt Gene Name	PON1
UniProt Synonym Gene Names	PON; A-esterase 1

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.