

Human PON1 ELISA Kit | PON1 elisa kit

Human PON1 PicoKine ELISA Kit

CATALOG #
AAA45936

REACTIVITY
Human

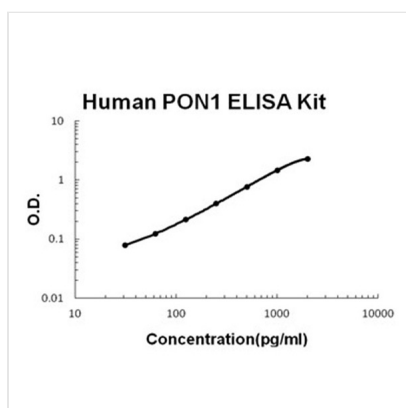
PRODUCT SYNONYMS

PON1; Human PON1 PicoKine ELISA Kit; Serum paraoxonase/arylesterase 1; paraoxonase 1; A esterase 1; A-esterase 1; Aromatic esterase 1; Arylesterase 1; Arylesterase B type; ESA; Esterase A; K 45; K-45; MVCD5; Paraoxonase 1; Paraoxonase; Paraoxonase B type; plasma; Paraoxonase1; PON 1; PON; PON1_HUMAN; Serum aryldiacylphosphatase; Serum aryldialkylphosphatase 1; PON1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PON1
Sequence Length	355
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human PON1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PON1 elisa kit	Principle of the Assay: Human PON1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PON1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: A2-L355) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PON1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin- Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PON1 amount of sample captured in plate. Background/Introduction: Serum paraoxonase/arylesterase 1(PON1) also known as aromatic esterase 1 or serum aryldialkylphosphatase 1 is an enzyme that in humans is encoded by the PON1 gene. The PON gene was mapped to chromosome 7q21-q22, and the mouse Pon1 gene was mapped to the proximal end of chromosome 6. PON1 is responsible for hydrolysing organophosphate pesticides and nerve gasses. Polymorphisms in the PON1 gene significantly affect the catalytic ability of the enzyme. PON1(paraoxonase 1) is also a major anti-atherosclerotic component of high-density lipoprotein(HDL).
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153572
NCBI GeneID	5444
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/pon1/45936>