

PON1/Paraoxonase 1 ELISA Kit | Pon1 elisa kit

Mouse PON1/Paraoxonase 1 PicoKine ELISA Kit

CATALOG # AAA124875	REACTIVITY Mouse There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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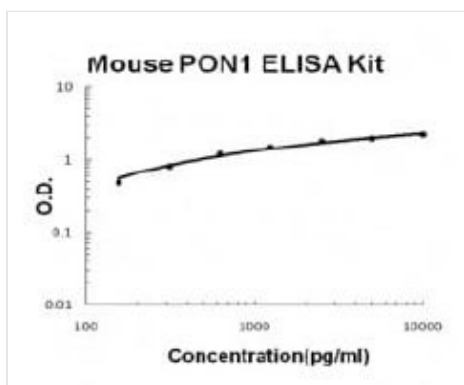
PRODUCT SYNONYMS

PON1/Paraoxonase 1; Mouse PON1/Paraoxonase 1 PicoKine ELISA Kit; Serum paraoxonase/arylesterase 1; PON 1; 3.1.1.2; Pon1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse PON1/Paraoxonase 1
Sequence Length	355
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for Pon1 elisa kit	ELISA
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pon1 elisa kit	Principle of the Assay: Mouse PON1/Paraoxonase 1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for PON1/Paraoxonase 1 has been precoated onto 96-well plates. Standards(Expression system for standard: E.Coli, Immunogen sequence: A30-L355) and test samples are added to the wells, a biotinylated detection a biotinylated polyclonal antibody from goat specific for PON1/Paraoxonase 1 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 Mouse PON1/Paraoxonase 1 amount of sample captured in plate. Background: Serum paraoxonase/arylesterase 1 (PON1) also known as aromatic esterase 1 or serum arylalkylphosphatase 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).
Product Categories/Family for Pon1 elisa kit	Neuroscience; Neurology Process; Neurodegenerative Disease; parkinson's disease; Cardiovascular; Lipids/Lipoproteins; Lipid Metabolism; hydrolysis; Lipoproteins/Apolipoproteins; Neuroscience; Signal Transduction; Drug Metabolism; Cell Biology; Other Antib

NCBI AND UNIPROT INFORMATION

NCBI GI #	261823995
NCBI GeneID	18979
NCBI Accession #	NP_035264.2
NCBI GenBank Nucleotide #	NM_011134.3
UniProt Accession #	P52430; Q91X30
Molecular Weight	39,565 Da
NCBI Official Full Name	serum paraoxonase/arylesterase 1
NCBI Official Synonym Full Names	paraoxonase 1
NCBI Official Symbol	Pon1
NCBI Official Synonym Symbols	Pon
NCBI Protein Information	serum paraoxonase/arylesterase 1
UniProt Protein Name	Serum paraoxonase/arylesterase 1
UniProt Gene Name	Pon1
UniProt Synonym Gene Names	Pon; PON 1; 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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/pon1-paraoxonase-1/124875>