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Datasheet for ABIN5510758

PON1 ELISA Kit





Overview

Quantity:	96 tests
Target:	PON1
Binding Specificity:	AA 30-355
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse PON1
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.Coli, Immunogen sequence: A30-L355
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Plasma, liver, kidney, heart, brain, small intestine and lung. In the plasma, associated with HDL.

Target Details

Target:	PON1
Alternative Name:	Pon1 (PON1 Products)

Target Details

Background:

Protein Function: Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and lactones, and a number of aromatic carboxylic acid esters. Mediates an enzymatic protection of low density lipoproteins against oxidative modification.

Background: 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).

Synonyms: Serum paraoxonase/arylesterase 1, PON 1, 3.1.1.2

Full Gene Name: paraoxonase 1

Cellular Localisation: Secreted, extracellular space.

UniProt:

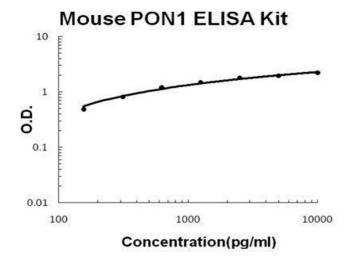
Expiry Date:

P52430

12 months

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)



ELISA

Image 1. Mouse PON1 PicoKine ELISA Kit standard curve