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## Datasheet for ABIN6719699

### PON1 ELISA Kit

#### Overview

Quantity:	1 kit
Target:	PON1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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, Paraoxonase, plasma, Paraoxonase1, PON 1, PON, PON1, PON1_HUMAN, Serum arylalkylphosphatase, Serum arylalkylphosphatase 1, Serum paraoxonase/arylesterase 1</p> <p>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</p>

## Product Details

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).

Gene Name: PON1

Production: Natural and recombinant human PON1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A2-L355

## Target Details

Target:	PON1
Alternative Name:	PON1 ( <a href="#">PON1 Products</a> )
Gene ID:	5444
NCBI Accession:	<a href="#">NP_000437</a>
UniProt:	<a href="#">P27169</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human PON1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, cell lysates, serum, plasma (heparin) or tissue homogenates to each empty well. It is recommended that each human PON1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.