

Datasheet for ABIN6239873

**PON1 Protein (AA 35-206) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	PON1
Protein Characteristics:	AA 35-206
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This PON1 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

## Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	<p>Paraoxonase 1 (PON1) is responsible for hydrolysing organophosphate pesticides and nerve gasses. PON1 (paraoxonase 1) is also a major anti-atherosclerotic component of high-density lipoprotein (HDL). Besides, Clusterin (CLU) has been identified as an interactor of PON1, thus a binding ELISA assay was conducted to detect the interaction of recombinant human PON1 and recombinant human CLU. Briefly, PON1 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µL were then transferred to CLU-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-PON1 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and</p>

## Product Details

read at 450nm immediately. The binding activity of of PON1 and CLU was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of PON1 with CLU.

## Target Details

Target:	PON1
Abstract:	<a href="#">PON1 Products</a>
Background:	Alternative Names: ESA, PON, Esterase A, Serum paraoxonase/arylesterase 1, Aromatic esterase 1, A-esterase 1, Serum aryldialkylphosphatase 1
Molecular Weight:	30kDa
UniProt:	<a href="#">P27169</a>

## Application Details

Application Notes:	Isoelectric Point: 5.1
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

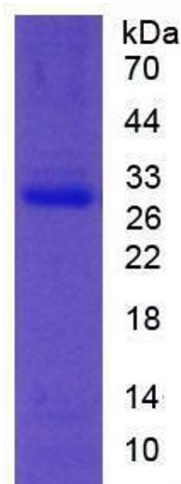


Image 1.