

For Research Use Only

PON1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83982-2-PBS



Basic Information

Catalog Number:

83982-2-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12934

GenBank Accession Number:

BC074719

GeneID (NCBI):

5444

UNIPROT ID:

P27169

Full Name:

paraoxonase 1

Calculated MW:

355 aa, 40 kDa

Observed MW:

40-45 kDa

Purification Method:

Protein A purification

CloneNo.:

241091B7

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

human

Background Information

PON1, also named PON and K-45, belongs to the paraoxonase family. PON1 hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. It is capable of hydrolyzing a broad spectrum of organophosphate substrates and several aromatic carboxylic acid esters. PON1 may mediate enzymatic protection of low-density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation. PON1 was identified as a triple band in a range of approximately 35-40 kDa. For glycosylated, the MW of PON1 is migrated 42-45kd, while the 35 kDa band represents the unglycosylated form (PMID: 17906223, 32002976, 21852972). The antibody has cross-reaction to PON2 and PON3.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

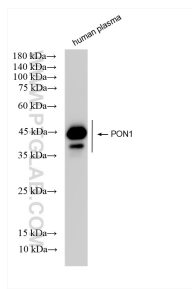
T: 4006900926

E: Proteintech-CN@ptglab.com

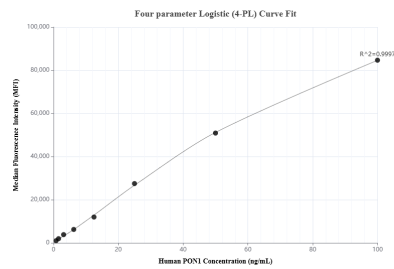
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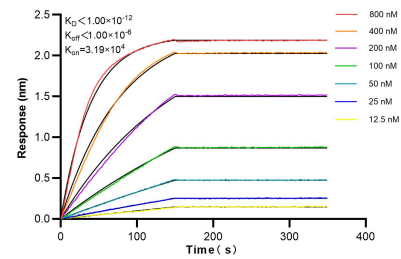
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83982-2-RR (PON1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83982-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00877-2, PON1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83982-2-PBS. Detection antibody: 83982-1-PBS. Standard: Ag12934. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83982-2-RR against Human PON1 were performed. The affinity constant is below 1 pM.