

For Research Use Only

PON1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83982-2-PBS



Basic Information

Catalog Number: 83982-2-PBS	GenBank Accession Number: BC074719	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5444	CloneNo.: 241091B7
Source: Rabbit	UNIPROT ID: P27169	
Isotype: IgG	Full Name: paraoxonase 1	
Immunogen Catalog Number: AG12934	Calculated MW: 355 aa, 40 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83982-2-PBS targets PON1 as part of a matched antibody pair:

MP00877-2: 83982-2-PBS capture and 83982-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

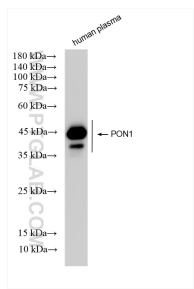
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

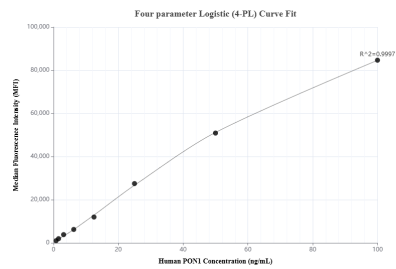
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

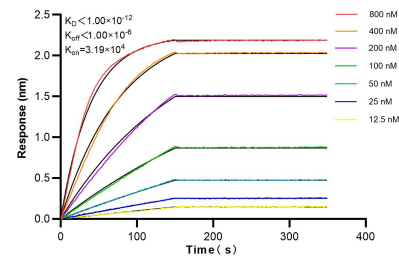
Selected Validation Data



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.