

For Research Use Only

Serum amyloid P component Recombinant antibody, PBS Only (Detector)

Catalog Number: 84402-1-PBS



Basic Information

Catalog Number: 84402-1-PBS	GenBank Accession Number: BC007058	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 325	CloneNo.: 241403F5
Source: Rabbit	UNIPROT ID: P02743	
Isotype: IgG	Full Name: amyloid P component, serum	
	Calculated MW: 223 aa, 25 kDa	
	Observed MW: 27-29 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Background Information

Serum amyloid P component (SAP), a member of the pentraxin family, is a constitutive serum protein that is synthesized by hepatocytes. It is an acute phase protein, structurally related to C-reactive protein. SAP is a calcium-dependent ligand-binding protein, which can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

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:

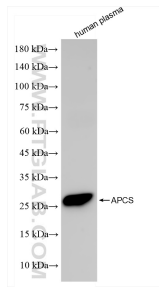
T: 4006900926

E: Proteintech-CN@ptglab.com

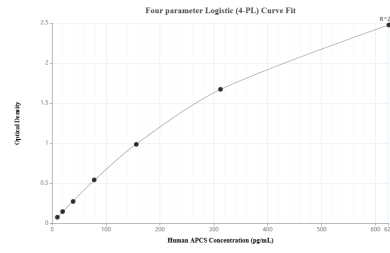
W: ptgcn.com

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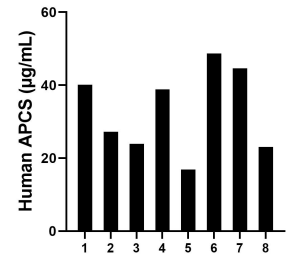
Selected Validation Data



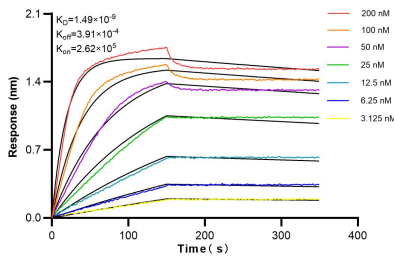
human plasma was subjected to SDS PAGE followed by western blot with 84402-1-RR (Serum amyloid P component antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84402-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01275-1, Human APCS Recombinant Matched Antibody Pair - PBS only. 84402-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0528. 84402-1-PBS was HRP conjugated as the detection antibody. Range: 9.77-625 µg/mL



Serum of eight individual healthy human donors was measured. The human APCS concentration of detected samples was determined to be 32.91 µg/mL with a range of 16.86 - 48.68 µg/mL.



Biolayer interferometry (BLI) kinetic assays of 84402-1-RR against Human Serum amyloid P component were performed. The affinity constant is 1.49 nM.