

For Research Use Only

CRP Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86912-2-PBS



Basic Information

Catalog Number: 86912-2-PBS	GenBank Accession Number: BC125135	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1401	CloneNo.: 251971C7
Source: Rabbit	UNIPROT ID: P02741	
Isotype: IgG	Full Name: C-reactive protein, pentraxin-related	
Immunogen Catalog Number: EG2448	Calculated MW: 224 aa, 25 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

86912-2-PBS targets CRP as part of a matched antibody pair:

MP02771-1: 86912-2-PBS capture and 86912-1-PBS detection (validated in Cytometric bead array)

MP02771-2: 86912-2-PBS capture and 86912-3-PBS detection (validated in Sandwich ELISA)

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.

Storage

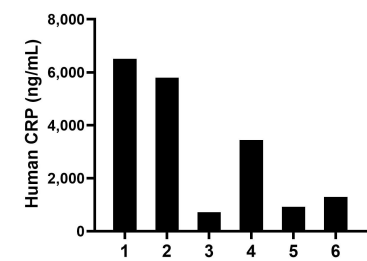
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

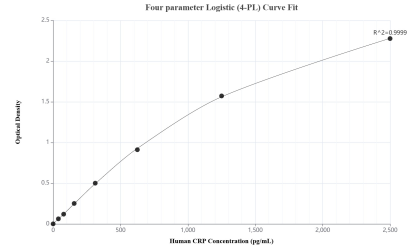
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

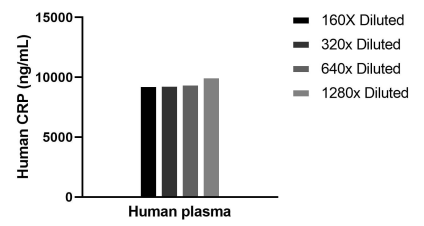
Selected Validation Data



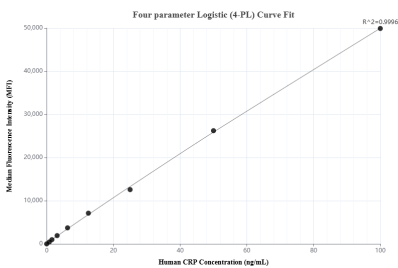
Plasma of six individual healthy human donors was measured. The CRP concentration of detected samples was determined to be 3,111.6 ng/mL with a range of 714.9-6,508.0 ng/mL.



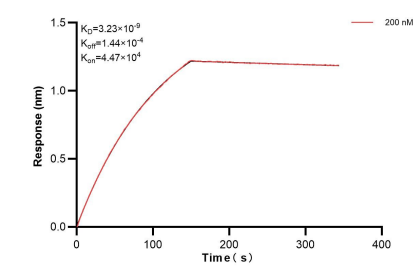
Sandwich ELISA standard curve of MP02771-2, Human CRP Recombinant Matched Antibody Pair - PBS only. 86912-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2448. 86912-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



The mean CRP concentration was determined to be 9557.6 ng/mL in Human plasma.



Cytometric bead array standard curve of MP02771-1, CRP Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86912-2-PBS. Detection antibody: 86912-1-PBS. Standard: Eg2448. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 86912-2-PBS against Human CRP were performed. The affinity constant is 3.23 nM.