

Biotin Conjugated Anti-Human CRP Antibody [PSH04-26] - Detector

HA722616B



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Dog, Cynomolgus monkey
Applications:	ELISA(Det)
Molecular Wt:	Predicted band size: 25.0 kDa
Clone number:	PSH04-26

Description: C-reactive protein (CRP) is an annular (ring-shaped) pentameric protein found in blood plasma, whose circulating concentrations rise in response to inflammation. It is an acute-phase protein of hepatic origin that increases following interleukin-6 secretion by macrophages and T cells. Its physiological role is to bind to lysophosphatidylcholine expressed on the surface of dead or dying cells (and some types of bacteria) in order to activate the complement system via C1q. CRP is synthesized by the liver in response to factors released by macrophages and fat cells (adipocytes). It is a member of the pentraxin family of proteins. It is not related to C-peptide (insulin) or protein C (blood coagulation). C-reactive protein was the first pattern recognition receptor (PRR) to be identified.

Conjugate: Biotin-conjugated

Immunogen: Recombinant protein within Human CRP aa 19-224 (P02741).

Positive control: Recombinant Human CRP protein (HA210648).

Subcellular location: Secreted.

Database links: SwissProt: P02741 Human

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH04-25] to Human CRP (Capture) (HA722108) and recombinant standard Human CRP protein (HA210648). The reference range value is 617-50000 pg/ml.

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

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No Images

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Zhu M et al. C-reactive protein and cancer risk: a pan-cancer study of prospective cohort and Mendelian randomization analysis. BMC Med. 2022 Sep
2. Pathak A et al. Evolution of C-Reactive Protein. Front Immunol. 2019 Apr

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