

Sheep antibody to human C-reactive protein: whole serum

Catalogue No.:	S-071-100
Description:	C-reactive protein has several roles associated with host defence such as; promoting agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. It can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. COFACTOR: Binds 2 calcium ions per subunit. C-reactive protein exists as a homopentamer. Pentaxin (or Pentraxin) have a discoid arrangement of 5 non-covalently bound subunits. There are 2 alternatively spliced isoforms. C-reactive protein is found in plasma and its concentration increases greatly during acute phase response to tissue injury, infection or other inflammatory stimuli. It is induced by IL-1 and IL-6.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	Human recombinant C-Reactive protein
Other Names:	CRP; PTX1
Accession:	CRP_HUMAN
Produced in:	Sheep
Purity:	Whole serum
Applications:	WB. Extremely high titre antibody. For western blot a dilution of 1: 10,000 to 1: 100000 is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	It has been shown to be specific for C-reactive protein by WB.
Cross-reactivity:	Human, other species have not yet been tested.
Form:	Lyophilised with 0.01% Thimerosal
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent.
Expiry Date:	12 months after purchase
References:	1. Lei K.-J, et al. J. Biol. Chem. 260:13377-13383(1985). 2. Woo P, et al. J. Biol. Chem. 260:13384-13388(1985).

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