

Product datasheet for **AM03133BT-N**

C Reactive Protein (CRP) Mouse Monoclonal Antibody [Clone ID: C7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	C7
Applications:	ELISA
Recommended Dilution:	ELISA: This C7 antibody can be used as the detection antibody in a Sandwich ELISA for analysis of Human C-Reactive Protein in combination with the clone C5 Cat.-No. AM20202PU-N.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human CRP
Specificity:	This antibody recognizes Human CRP, an 117 kDa acute phase protein; it recognizes antigen both in the presence and in the absence (samples containing EDTA) of Ca ²⁺ .
Formulation:	Phosphate buffered saline (PBS), pH~7.4 Label: Biotin State: Liquid purified Ig fraction Preservative: 15 mM Sodium Azide Label: Conjugated with -LC-NHS under optimum conditions. The reagent is free of unconjugated biotin
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	C-reactive protein, pentraxin-related
Database Link:	Entrez Gene 1401 Human P02741



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Background:

The C-reactive protein (CRP) is a cyclic pentameric pentraxin family acute phase protein compound of five identical noncovalently bound nonglycosylated subunits (each subunit 24 kDa; physiologic CRP molecule 117,5 kDa). CRP is produced by the liver and its plasma levels rise dramatically during inflammatory processes occurring in the body. CRP is an initiator of classical complement cascade, binds to several nuclear components (chromatin, histones, etc.) and is also believed to play an important role in innate immunity. Patients with elevated basal levels of CRP are at increased risk for hypertension and cardiovascular disease.

Synonyms:

PTX1, C Reactive Protein, Pentraxin-related

Protein Families:

Secreted Protein