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Product datasheet for AM20202PU-N

C Reactive Protein (CRP) Mouse Monoclonal Antibody [Clone ID: C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	C5
Applications:	ELISA
Recommended Dilution:	**ELISA:** The antibody C5 has been tested as the Capture antibody in a Sandwich ELISA for analysis of Human C-Reactive Protein in combination with the antibody C7 (Cat.-No AM03133BT-N).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human CRP
Specificity:	The antibody C5 recognizes Human CRP, an 117 kDa plasma 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 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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 occuring 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