CD Creative Diagnostics®

Anti-C Reactive Protein monoclonal antibody, clone C893M (DMAB2066MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli.
Specificity	C-Reactive Protein
Target	C Reactive Protein
Immunogen	Purified human C-Reactive Protein
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	C893M
Affinity Constant	Kd = 2 x 10-8 M
Purification	>98 % pure (SDS-PAGE). Protein A chromatography and gel filtration
Conjugate	Unconjugated
Format	Purified, Liquid
Concentration	Lot specific (OD280nm, E0.1% = 1.4)
Size	1 mg

Buffer	10mM Sodium phosphate, pH 7.4 containing 150mM Sodium chloride
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C. DO NOT FREEZE!

GENE INFORMATION

Gene Name	CRP C-reactive protein, pentraxin-related [Homo sapiens]
Official Symbol	CRP
Synonyms	CRP; C-reactive protein, pentraxin-related; PTX1; MGC88244; MGC149895; pentraxin 1; OTTHUMP00000033307
Entrez Gene ID	1401
Protein Refseq	NP_000558
UniProt ID	P02741
Chromosome Location	1q21-q23
Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Innate Immunity Signaling, organism-specific biosystem; Selenium Pathway, organism-specific biosystem; Signaling in Immune system, organism-specific biosystem
Function	Gram-positive bacterial cell surface binding; binding; cholesterol binding; choline binding; low-density lipoprotein particle binding; metal ion binding; protein binding