



Magic™ Anti-CRP monoclonal antibody, clone DSQ40 (DCAB-TJ230)

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 wi
Specificity	Human C Reactive Protein (CRP). Recognizes antigen both in the presence and in the absence (samples containing EDTA) of Ca ²⁺ .
Immunogen	Human CRP, derived with pleural/ascetic fluid or plasma
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	DSQ40
Affinity Constant	K _d = 4.3 x 10 ⁻⁸
Purification	> 90% pure. Protein A chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA, Immunoaffinity purification and Immunohistochemistry. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pairs for sandwich immunoassay: Capture CAB-1864MH Detection DCAB-TJ229
Format	Purified, Liquid

Concentration	5.5 mg/mL
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

GENE INFORMATION

Gene Name	CRP C-reactive protein, pentraxin-related [Homo sapiens (human)]
Official Symbol	CRP
Synonyms	CRP; C-reactive protein, pentraxin-related; PTX1; C-reactive protein; pentraxin 1;
Entrez Gene ID	1401
Protein Refseq	NP_000558
UniProt ID	P02741
Chromosome Location	1q23.2
Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Imm
Function	cholesterol binding; choline binding; low-density lipoprotein particle binding; metal ion binding; protein binding; protein homodimerization activity