

CRP Monoclonal Antibody (P4D7)

Product Details

Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	P4D7
Conjugate	Unconjugated
Immunogen	Purified human plasma CRP
Form	Liquid
Concentration	1 mg/mL
Purification	Ion-exchange chromatography
Storage buffer	PBS, pH 7.4, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C
RRID	AB_10982599

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	5 µg/mL	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Radioimmune Assays (RIA)	Assay-dependent	-

Product Specific Information

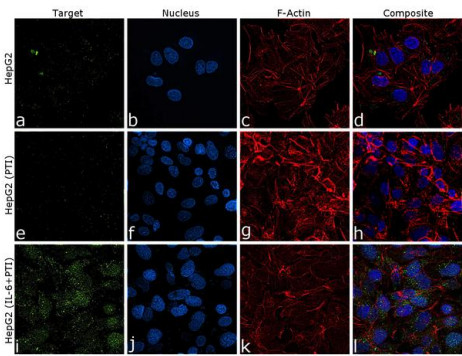
MA5-14744 targets C Reactive Protein in ELISA, IP, and RIA applications and shows reactivity with Human samples.

The MA5-14744 immunogen is purified human plasma CRP.

MA5-14744 detects C Reactive Protein which has a predicted molecular weight of approximately 23 kDa.

Product MA514744 is a smaller package size of MIC0501 (formerly sold as a Seradyn product).

Product Images For CRP Monoclonal Antibody (P4D7)

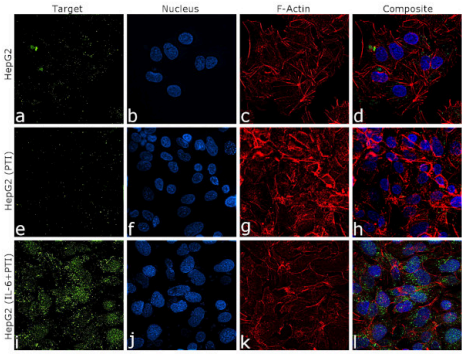


CRP Antibody (MA5-14744)

Detection of altered expression of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using CRP Monoclonal Antibody (P4D7) (Product # MA5-14744), shows expression of CRP upon treatment with IL-6 and PTI. {TM}

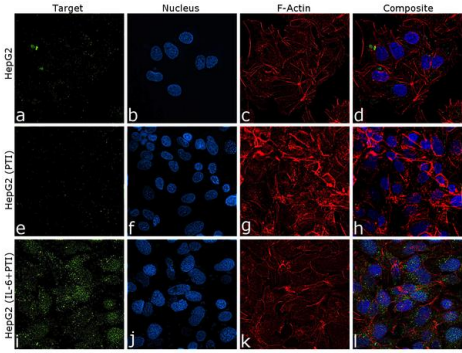
CRP Antibody (MA5-14744) in ICC/IF

Immunofluorescence analysis of CRP was performed using 70% confluent log phase HepG2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with CRP Monoclonal Antibody (P4D7) (Product # MA5-14744, 5 µg/mL) in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766, 1:2000 dilution), for 45 minutes at room temperature (Panels a,e,i: Green). Nuclei (Panels b,f,j: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panels c,g,k: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panels d,h,l represents the merged images showing cytoplasmic localization upon treatment with IL-6 and PTI. Panel (a-d) shows representative HepG2 control cells, whereas Panel (e-h) represent HepG2 with Protein Transport Inhibitor Cocktail (PTI)(500X) (1X, 4 hours) treatment. Similarly, panel (i-l) represent HepG2 cells treated with IL-6 and Protein Transport Inhibitor Cocktail (PTI)(500X) (10 ng/mL, 1X; 24 hours, 4 hours). The images were captured at 60X magnification.



CRP Antibody (MA5-14744)

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