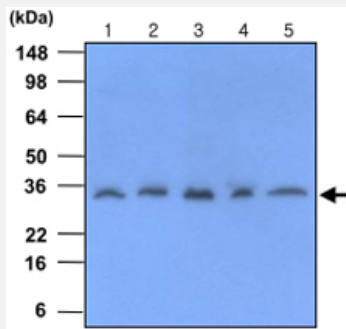


CRP monoclonal antibody, clone 5A9

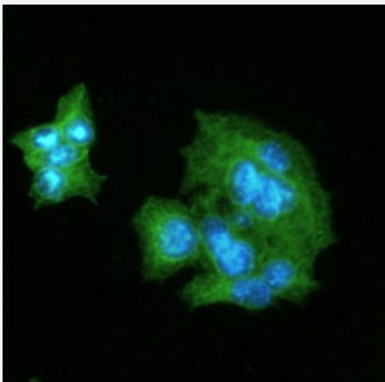
Catalog # MAB1089 Size 100 uL

Applications



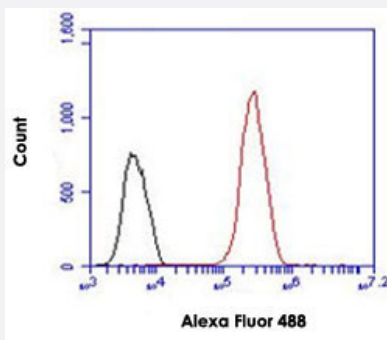
Western Blot (Cell lysate)

Western blot analysis of cell lysates (each 40 ug). Lane 1 : NIH/3T3. Lane 2 : HepG2. Lane 3 : Jurkat. Lane 4 : HeLa. Lane 5 : SH - SY5Y. To probed CRP monoclonal antibody , clone 5A9 (1 : 1000) (Cat # MAB1089). Proteins were visualized using a goat anti - mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunocytochemistry

Immunofluorescence analysis of HepG2 cells. The cell was stained with CRP monoclonal antibody, clone 5A9 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry

Flow cytometric analysis of HepG2 cell line, staining at 2-5 ug for 1x10⁶ cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant CRP.

Immunogen	Recombinant protein corresponding to amino acids 19-224 of human CRP.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Isotype	IgG2a, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of cell lysates (each 40 ug). Lane 1 : NIH/3T3. Lane 2 : HepG2. Lane 3 : Jurkat. Lane 4 : HeLa. Lane 5 : SH - SY5Y. To probed CRP monoclonal antibody , clone 5A9 (1 : 1000) (Cat # MAB1089). Proteins were visualized using a goat anti - mouse secondary antibody conjugated to HRP and an ECL detection system.

- Immunocytochemistry

Immunofluorescence analysis of HepG2 cells. The cell was stained with CRP monoclonal antibody, clone 5A9 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HepG2 cell line, staining at 2-5 ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Gene Info — CRP

Entrez GeneID	1401
GeneBank Accession#	NM_000567
Protein Accession#	NP_000558
Gene Name	CRP
Gene Alias	MGC149895, MGC88244, PTX1
Gene Description	C-reactive protein, pentraxin-related
Omim ID	123260
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000033307

Publication Reference

- [C-reactive protein in hypertension: clinical significance and predictive value.](#)

Schillaci G, Pirro M.

Nutrition, Metabolism, and Cardiovascular Diseases 2006 Oct; 16(7):500.

Application: ELISA, Human, Human serum

- [Human C-reactive protein is protective against fatal Salmonella enterica serovar typhimurium infection in transgenic mice.](#)

Szalai AJ, VanCott JL, McGhee JR, Volanakis JE, Benjamin WH Jr.

Infection and Immunity 2000 Oct; 68(10):5652.

Application: ELISA, Human, Serum

Disease

- [Acute Disease](#)
- [Acute-Phase Reaction](#)
- [Adenocarcinoma](#)

- [Adenoma](#)
- [Albuminuria](#)
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- [Body Weight](#)
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- [Brain Ischemia](#)
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- [Breast Neoplasms](#)
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- [Carotid Stenosis](#)
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- [Cerebrovascular Disorders](#)
- [Choroidal Neovascularization](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Community-Acquired Infections](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
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- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
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- [Disease Susceptibility](#)
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- [Endometrial Neoplasms](#)
- [Escherichia coli Infections](#)
- [Esophageal Neoplasms](#)
- [Extraversion \(Psychology\)](#)

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- [Glioblastoma](#)
- [Glioma](#)
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- [Hyperglycemia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
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- [Thromboembolism](#)
- [Typhoid Fever](#)
- [Urinary Bladder Neoplasms](#)
- [Vasculitis](#)
- [Venous Thrombosis](#)
- [Weight Loss](#)
- [Werner syndrome](#)