

CRP Mouse Monoclonal Antibody HRP Conjugated(C11F2)

Catalog No: #C08389H

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Description

Product Name	CRP Mouse Monoclonal Antibody HRP Conjugated(C11F2)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	C11F2
Isotype	IgG
Purification	Purified by Protein G.
Applications	IHC-P IHC-F
Species Reactivity	Hu
Immunogen Description	Recombinant CRP protein
Conjugates	HRP
Target Name	CRPC
Other Names	C reactive protein pentraxin related; CRP; MGC88244; PTX 1; PTX1; C Reactive Protein.
Accession No.	NCBI Gene ID1401
Uniprot	P02741
GeneID	1401;
Excitation Emission	N A
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IHC-P=1:50-200 IHC-F=1:50-200

Background

C Reactive Protein is a major acute phase reactant synthesized primarily in the liver hepatocytes. It is a pentraxin (cyclic pentameric protein) compound of five identical nonglycosylated subunits of 206 amino acids each (m.w. 24 kDa), that are bound noncovalently to form the physiologic CRP molecule (m.w. 117.5 kDa). C Reactive Protein mediates activities associated with preimmune nonspecific host resistance. It is opsonic, an initiator of the classical complement cascade and an activator of monocytes macrophages. CRP also binds to several nuclear components including chromatin, histones and snRNP, suggesting that it may play a role as a scavenger during cell necrosis. Studies have revealed that among other markers of inflammation, CRP shows the strongest association with cardiovascular events. Many clinical studies demonstrated that coronary mortality among patients with unstable angina and elevated CRP is significantly higher comparing with the patients without elevated CRP. Measurements of C reactive protein (hsCRP) in the patients with ischemic heart disease provide a novel method for detecting individuals at high risk of plaque rupture.

Note: This product is for in vitro research use only