

Rabbit anti-human C-reactive protein (CRP) monoclonal antibody (clone 56G9)

Catalog Number: R15001MG9



General Information

Immunogen	Full length recombinant human CRP Protein
IgG type	Rabbit IgG
Clonality	Monoclonal
Applications	ELISA, ITA
Pairing antibody	R15001MA6
Specificity	Human CRP
Formulation	0.22 μ M filtered solution of PBS, pH 7.4
Purity	> 95% determined by SDS-PAGE
Storage	\leq -20 °C for 1 year or 4 °C for 3 months

Abbreviations:

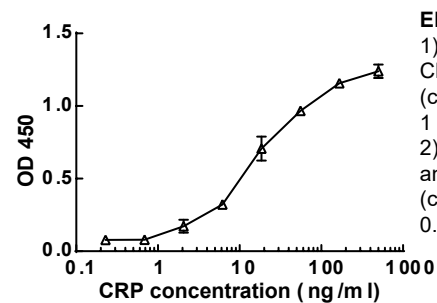
ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot;

Preparation

Monoclonal antibody is produced by immunizing rabbit with full length human CRP and purified using protein A resin.

Application

Sandwich ELISA



ELISA conditions

- 1) capture antibody: rabbit anti CRP monoclonal antibody (clone 56G9, R15001MG9) at 1 μ g/ml
- 2) detection antibody: rabbit anti CRP monoclonal antibody (clone 57A6, R15001MA6) at 0.5 μ g/ml

Suggested pairs

Capture antibody
R15001MG9

Detection antibody
R15001MA6

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

Background

C-Reactive Protein (CRP) is an annular, pentameric protein found in blood plasma. CRP belongs to the β -globulin family of plasma proteins and its name is derived from the ability to precipitate a group C polysaccharide of pneumococcus in the presence of Ca^{2+} . Serum levels of CRP are elevated in a wide variety of acute and chronic inflammatory conditions. These conditions include most bacterial and some viral infections, rheumatic fever, rheumatoid arthritis, and many collagen diseases. CRP serum levels are also valuable in detection and evaluation of tissue injury, acute myocardial infarction, transplant rejection, and several malignant disorders.

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