ALPHA DIAGNOSTIC INTERNATIONAL

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Product Specification Sheet

Human C-Reactive Protein (CRP) antibodies

Cat. # CRP13-M **Mouse Monoclonal** Anti-Human CRP, clone 1 **SIZE**: 1 mg

C-reactive protein is produced by the liver. The level of CRP rises when there is inflammation throughout the body. C-reactive protein (CRP) is protein found in the blood, the levels of which rise in response to inflammation Its physiological role is to bind to phosphocholine expressed on the surface of dead or dying cells (and some types of bacteria) in order to activate the complement system via the C1Q complex.
CRP is synthesized by the liver in response to factors released by macrophages and fat cells (adipocytes).It is a member of the pentraxin family of proteins. It is not related to C-peptide or protein C. C-reactive protein was the first pattern recognition receptor (PRR) to be identified

Source of Antigen and Antibodies

Antigen	Chlamydia Trachomatic LGV2 elementary bodies.
Ab Host/type	Mouse, monoclonal IgG (#CHLM11-M) supplied purified IgG
2-ab	**Goat Anti-mouse IgG-HRP conjugate Cat # 40120 (AP, biotin, FITC conjugates also available)**
-ve control IgG	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as –ve control

Affinity Purified >90%pure. Store at –20ºC in suitable size aliquots. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the This preparation is not biologically active. It is not suitable for ELISA or other applications where native protein is required. Do not freeze, thaw, or heat repeatedly.

All human derived material has been tested negative for HIV, HCV, and HbSAg. Nevertheless, all precautions should be taken and samples be treated as potentially hazardous.

Form & Storage of Antibodies/Peptide Control

Affinity pure IgG
100 ug/100ul solution lyophilized powder
Supplied in **Buffer**: PBS+0.1% NaN3
Reconstitute powder in PBS at 1mg/ml

Storage
Short-term: unopened, undiluted liquid vials at -20ºC and powder at 4ºC or -20ºC..
Long-term: at –20ºC or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at –20ºC or below.
Shipping: 4ºC for solutions and room temp for powder

Recommended Usage

Western Blotting (1:500-:1:2K) using ECL technique.

ELISA: Control peptide/protein can be used to coat ELISA plates at 1 ug/ml and detected with antibodies (1:10-50K for neat serum and 0.5-1 ug/ml for affinity pure).

Histochemistry & Immunofluorescence: Not tested. We recommend the use of affinity purified antibody at 2-20 ug/ml in paraformaldehyde fixed sections of tissues.

Specificity & Cross-reactivity

The antibodies are specific for Chlamydia and show reactivity with serovers A,B,Ba,C,D,E,F,G,H,I,J,K,L1,L2,L3, and Chlamydia psittaci. Antibody cross-reactivity in various species has not been studied. The CHLM11-C control protein can be used for western or ELISA.

References:

Thylefors B, (1995). Bull World Health Organ 73 (1): 115–21.

*This product is for In vitro research use only.

Related material available from ADI
ELISA kits for human CHLM.
CHLM11-12-C 90924A

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