

ABfinity™ CRP Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701245

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human CRP
Predicted Reactivity: Human

Product Description

C reactive protein (CRP) is an acute-phase reactant produced by liver cells upon IL-1, IL-6 or TNFα stimulation. CRP plays an important role in host defense, and serum levels increase by 100–1000 fold in response to infection, injury, or inflammation. It promotes precipitation, agglutination, capsular swelling, complement fixation, phagocytosis, and cytotoxicity.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 119–224 of human CRP
Alternate Names: PTX1
Apparent MW: 25 kDa
Gene ID: 1401
Protein Accession No.: P02741
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey, Rabbit
Clone/PAD: 1H3L5
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	1–2 µg/mL
Indirect ELISA	Human	Recombinant protein	1 µg/mL

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

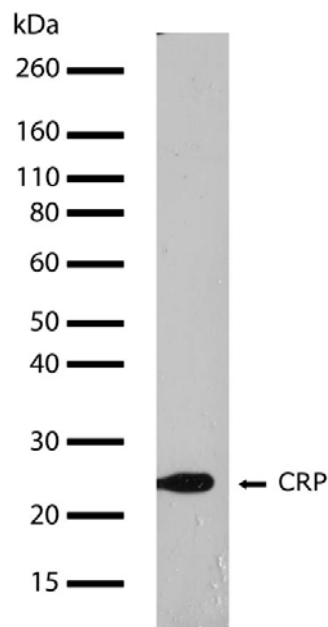


Figure 1 Western blot analysis of ABfinity™ CRP Recombinant Rabbit Monoclonal Antibody (Cat. no. 701245).

Western blot analysis was performed on recombinant protein. An endogenous level of CRP was detected at ~23 kDa using ABfinity™ CRP Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using enhanced chemiluminescence (ECL) method.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for use in diagnostic procedures.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or SDS, visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106

Limited Product Warranty

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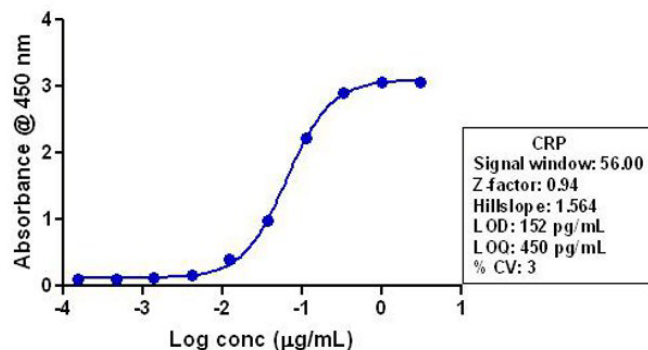


Figure 2 Indirect ELISA of ABfinity™ CRP Recombinant Rabbit Monoclonal Antibody (Cat. no. 701245).

Indirect ELISA was performed using various dilutions of ABfinity™ CRP Recombinant Rabbit Monoclonal Antibody to detect CRP recombinant protein coated onto the plate. A non-linear regression analysis was performed (4 PL), and LOD and LOQ for the antibody was determined.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Limited Use Label License No. 327: Recombinant Antibody Technology

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