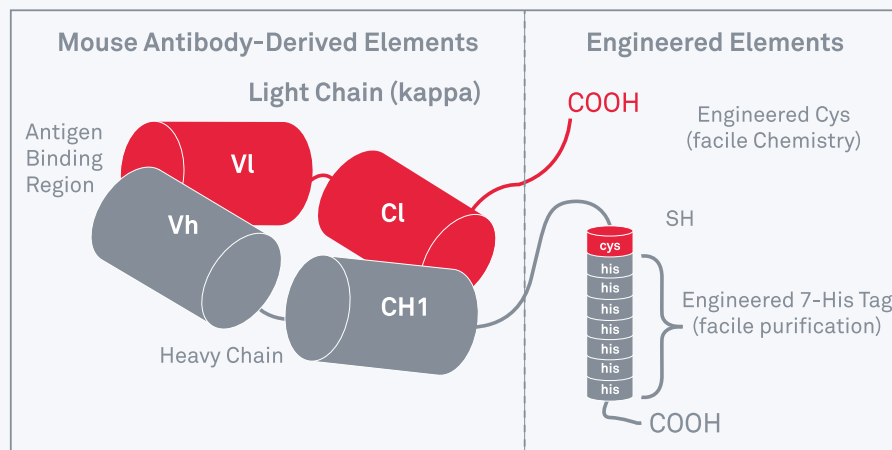


# CRP RECOMBINANT FAB MONOCLONAL ANTIBODY

Abbreviations	CRP
Accession Number	P02741
Product Code	BR228-D4A3
Grade / Host	Recombinant antibody produced in E. coli. Originally murine-derived.










Application	ELISA assay   Lateral flow
Target Marker	Acute inflammation can cause an increase in the concentration of circulating CRP of up to 5,000-fold that peaks 48 hours after the initial inflammatory stimulus. Medical conditions causing elevated CRP levels in order of severity are: late pregnancy, mild inflammation, viral infection, severe bacterial infection and burns.
Advantages of Recombinant Fab Monoclonal Antibodies	<p><b>Picomolar affinities</b> – allows the development of high sensitivity assays.</p> <p><b>Scale up and batch consistency</b> – expressed in E.coli giving rise to quick and reliable production processes.</p> <p><b>Better value than standard IgG</b> – compared with IgG, Fab molecules have &gt;36% more antibody binding sites per milligram of product.</p> <p><b>Fewer conjugation issues</b> – our antibodies are engineered with a free Cysteine for site-specific conjugation. Therefore there is no interference with the antigen binding site of the antibody.</p>



Order your evaluation sample today [www.bbisolutions.com](http://www.bbisolutions.com)

### WHY BBI?

- + Be confident in your **results** when you choose BBI's antibodies for your next assay – our CRP antibody has been tested in ELISA and lateral flow.
- + **Save time and money** by choosing one of our recommended pairs.
- + Ideal for next generation assays due to **high sensitivity**.

<b>Range of Detection</b>	151 - 231000 ng/mL. Please note detection of 1 ng/mL has been achieved in lateral flow assays.										
<b>Affinity (<math>K_D</math>)</b>	$K_D$ (pM): 138										
<b>Matched Pairing</b>	The CRP antibody can be used only in competitive assays. For details on suitable commercially available sandwich pair partners contact your Account Manager.										
<b>Characterisation</b>	<p>Lateral flow data showing detection of CRP using BR228-D4A3 compared to other commercially available antibodies. Using a reader, signal was detectable at 1ng/ml CRP.</p> <p><b>Lateral flow: Comparison of BR228-D4A3 with commercially available antibodies</b></p> <table border="1"> <thead> <tr> <th></th> <th>CRP conc (ng/ml)</th> </tr> <tr> <th></th> <th>100 75 50 25 10 5 2 1 0</th> </tr> </thead> <tbody> <tr> <td>Competitor A antibody</td> <td></td> </tr> <tr> <td>Competitor B antibody</td> <td></td> </tr> <tr> <td>BBI antibody, BR228-D4A3</td> <td></td> </tr> </tbody> </table>		CRP conc (ng/ml)		100 75 50 25 10 5 2 1 0	Competitor A antibody		Competitor B antibody		BBI antibody, BR228-D4A3	
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### ORDERING DETAILS – USE THE FOLLOWING CODE WHEN ORDERING

Product	Code	Description
CRP Fab Antibody	BR228-D4A3	Suitable for ELISA and Lateral Flow

### Related Products

Product	Code	Description
C-Reactive Protein	P100-0	> 99% pure   sourced from plasma
C-Reactive Protein	P100-7	>96% pure   sourced from plasma
C-Reactive Protein	P100-8	>70% pure   sourced from plasma

Order a sample today [sales@bbisolutions.com](mailto:sales@bbisolutions.com)

Int: +44 (0) 2920 767 499 USA: 1-800-423-8199 China: +852 2159 9666