

# C-reactive Protein (CRP)

Item Number: CRP

## Introduction

Buy high-quality CRP-Ab2# monoclonal antibody, precisely recognizes human CRP, for immunoassay, with high purity and affinity. Inquire now for detection solutions!

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Product Name	Anti-h CRP 23001
Catalog Number	1000028
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Application	LF,IT,FIA
Dosage Form/Appearance	Liquid, may turn slightly opaque during Storage
concentration	2.0-5.0mg/ml
Remark	Note that CRP is a pentameric protein. The same antibody can thus be used both as a capture and a detection antibody.
Antibody subtype	IgG1
Clonal nature	Monoclonal
Antigenic determinant	N/D
Purity	≥ 95 %
Affinity constant	KA= $1.4 \times 10^{10}$ 1/M; KD= $5.3 \times 10^{-11}$ M (= 0.05 nM)
Related products	Recombinant CRP antigen, Lee Biosolutions 140-11R
Buffer	0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
Isoelectric focusing spectrum	5.7-6.7
Cross-reaction	Does not recognize serum amyloid-P complex
Specificity	Antibody recognizes human C-reactive protein (CRP)
Storage conditions	+2-8°C
Transportation conditions	Cold packs
Inventory and delivery time	Small package samples in stock
Validity period	24 months

Projects	Indicator requirements
Appearance	The product outer packaging box and aluminum foil packaging bag are intact and not damaged.
Detection buffer	The buffer should be clear and transparent without suspended matter. The tube is well sealed and there is no leakage.
	The buffer volume is 1.0mL, and its net content should be within the range of $1.0g \pm 0.05g$ . The pH of the buffer should be within the range of $7.2 \pm 0.2$ .
Test strips	Appearance is neat and smooth, without burrs, damage or pollution; the material is firmly attached.
	The width should not exceed $\pm 0.80mm$ of the nominal value, and the nominal value is 4.50mm.
	The speed of liquid migration should not be less than 10mm/min.
Minimum detection limit	CRP should not be higher than 0.5 mg/L.
Linear range	CRP: In the range of 0.5mg/L~200.0mg/L, the linear correlation coefficient $r \geq 0.990$ .

Projects	Indicator requirements
Accuracy	Relative deviation is not more than 20%.
Repeatability	Repeatability should be no more than 10%.
Batch precision	Batch difference should be no more than 15%.
Stability test	This product is stored at 4~30°C in a sealed aluminum foil bag. Products within 1 month of the expiration date are tested. The test results should meet the above requirements.