

Datasheet for KOA0789**Human CRP ELISA Kit****Overview**

Description:	Human CRP AccuSignal ELISA Kit - KOA0789
Item No.:	KOA0789
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	1.56 ng/ml - 100 ng/ml

Product Details

Background:	C Reactive Protein (CRP) is a major acute phase reactant synthesized primarily in the liver hepatocytes. It is composed of 5 identical, 21,500-molecular weight subunits. CRP mediates activities associated with preimmune nonspecific host resistance. CRP shows the strongest association with cardiovascular events. It is detectable on the surface of about 4% of normal peripheral blood lymphocytes. Acute phase reactant CRP is produced in the liver.
Synonyms:	C reactive protein pentraxin related, C-reactive protein, C-reactive protein(1-205), CRP, CRP_HUMAN, MGC149895, MGC88244, Pentraxin 1, Pentraxin 1 short, PTX 1, PTX1
Detection Kit Type:	ELISA Kit
Detection Range:	1.56 ng/ml - 100 ng/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CRP
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: F17-P224
Purity/Specificity:	Natural and recombinant human CRP. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P02741 • NCBI - NP_000558.2

- **GenelD - 1401**
- **KOA0789 Protocol**

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 100ng/ml, 50ng/ml, 25ng/ml, 1.25ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml human CRP standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CRP standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1.56ng/ml-100ng/ml
Other:	DOE: 02/09/2023 at 4°C 08/10/2023 at -20°C

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Disclaimer

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