

Active Human CRP Reference Standard

Cat. No. CRP-8H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	CRP is an acute phase protein that correlates with inflammatory disease and is synthesized by hepatocytes during the acute phase response by certain cytokines (IL-1 and TNF Alpha and Beta). CRP levels increase dramatically (up to 1,000 fold) and serve as a useful marker of inflammation in such conditions as bacterial infection, rheumatoid arthritis, viral infections, transplantation rejection, meningitis, myocardial infarction, septicemia, osteomyelitis and others. CRP is also highly correlated to Serum Amyloid A levels.
Form	Liquid
Bio-activity	The level of CRP in the serum was quantified using ELISA.
Usage	For research use only, not for diagnostic or therapeutic use.
Quality Control Test	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
Storage	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
Concentration	1.23 ug/ml

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Preservative 0.1% sodium azide

GENE INFORMATION

Gene Name [CRP C-reactive protein, pentraxin-related \[Homo sapiens \]](#)

Official Symbol CRP

Synonyms CRP; C-reactive protein, pentraxin-related; C-reactive protein; pentraxin 1; PTX1; MGC88244; MGC149895;

Gene ID [1401](#)

mRNA Refseq [NM_000567](#)

Protein Refseq [NP_000558](#)

MIM [123260](#)

UniProt ID [P02741](#)

Chromosome Location 1q21-q23

Pathway Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

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Function

Gram-positive bacterial cell surface binding; binding; cholesterol binding; choline binding; low-density lipoprotein particle binding; metal ion binding; protein binding; protein homodimerization activity;

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