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CRP Canine

C-Reactive Protein Canine Recombinant
RCP0535

Product Overview

Name	CRP Canine

Description

C-Reactive Protein Canine Recombinant

Synonyms

C-reactive protein, CRP, PTX1, MGC88244, MGC149895.

Introduction

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 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.

Source

HEK293 cells.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

CRP filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20mM Tris, 50mM NaCl and 1mM CaCl2, pH 7.5.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles . Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

QIDLDEKAFV FPRESENSYV ILFPQLQKPM KAFTVCLQVY TDLTRPHSLF SYATKSQSNE ILLFKERPGL FSVSVGGSDA FINFPQKFYA PQHFCVTWES VTGLTELWVD GKPMVRASLR RGYTVGSGAS IVLGQEQDSF GGGFDKNQSL VGDIEDVNMW DFVLSPSQIL TLYTTRALSP NVLNWRNLRY ETRGEVFLKK ELWS

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

Precautions

CRP Canine is for research use only and not for use in diagnostic or therapeutic procedures.