

Human C Reactive Protein, His tag

Cat. No. GTX138453-pro

Applications ELISA, Sandwich ELISA

Species Human

Package

100 µg

PRODUCT

Summary

C-reactive protein, also known as PTX1, is a member of the pentraxin family and is involved in complement activation and regulation. C-reactive proteins are found as non-covalently associated globular subunits of the serum-soluble cyclic pentameric complex. This recombinant human C- reactive protein corresponds to the 27.75 kDa (224 a.a.) isoform 1 with an intrachain disulfide bond and no glycosylation modification (RefSeq: NP_000558.2; UniProt ID: P02741). It is His-tagged at the C-terminus.

Applications

Application Note

Recommended antibody pairs for sandwich ELISA:

Capture: GTX641406 / GTX641407, Detection: GTX642551 / GTX642552

Properties

Form Lyophilized powder

Buffer Reconstitute with distilled water to 0.4 mg/ml. Lyophilized from PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80.

Preservative No preservatives

Storage Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.

Region/Sequence C-terminal His tagged full-length Humans CRP protein (1-224aa of AAL48218.2)

Expression System HEK293 cells

Purity >95%

Conjugation Unconjugated

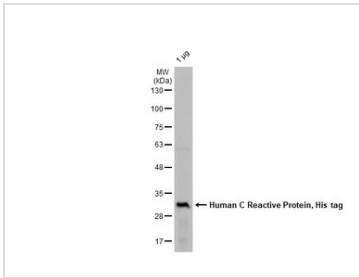
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

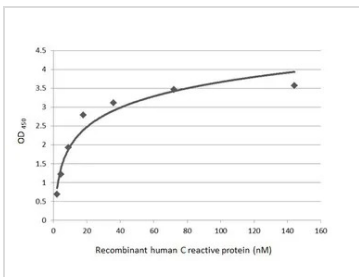
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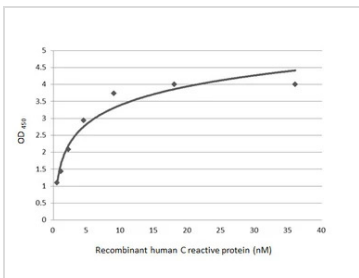
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DATA IMAGES

GTX138453-pro Image

GTX138453-pro Human C Reactive Protein, His tag was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.


GTX138453-pro ELISA Image

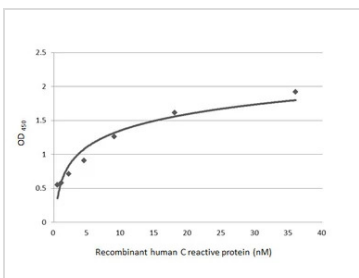
Indirect ELISA analysis was performed by coating the plate with recombinant Human C Reactive Protein, His tag (GTX138453-pro) (144.14-2.25 nM). Coated protein was probed with C Reactive Protein antibody [N1C3] (GTX101262) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.


GTX138453-pro ELISA Image

Sandwich ELISA detection of recombinant Human C Reactive Protein, His tag (GTX138453-pro) using antibodies as below.

Capture: C Reactive Protein antibody [GT54] (GTX641406) (5 µg/mL)

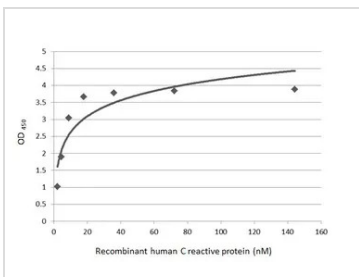
Detection: C Reactive Protein antibody [N1C3] (GTX101262) (1 µg/mL)


GTX138453-pro ELISA Image

Sandwich ELISA detection of recombinant Human C Reactive Protein, His tag (GTX138453-pro) using antibodies as below.

Capture: C Reactive Protein antibody [GT55] (GTX641407) (5 µg/mL)

Detection: C Reactive Protein antibody [N1C3] (GTX101262) (1 µg/mL)


GTX138453-pro ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant Human C Reactive Protein, His tag (GTX138453-pro) (144.14-2.25 nM). Coated protein was probed with C Reactive Protein antibody [HL4106] (GTX642552) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.



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