

Human C-Reactive Protein/CRP Antibody

Monoclonal Mouse IgG_{2B} Clone # 987313 Catalog Number: MAB17073

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human C-Reactive Protein/CRP in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 987313
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human C-Reactive Protein/CRP Phe17-Pro224 Accession # P02741
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

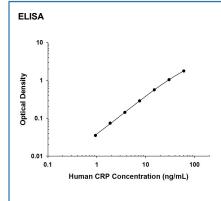
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

ELISA

This antibody functions as an ELISA capture antibody when paired with Mouse Anti-Human C-Reactive Protein/CRP Monoclonal Antibody (Catalog # MAB17072).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human C-Reactive Protein/CRP DuoSet ELISA Kit (Catalog # DY1707) for convenient development of a sandwich ELISA or the Human C-Reactive Protein/CRP Quantikine ELISA Kit (Catalog # DCRP00) for a complete optimized ELISA.

DATA



Human C-Reactive Protein/CRP ELISA Standard Curve. Recombinant Human C-Reactive Protein/CRP protein was serially diluted 2-fold and captured by Mouse Anti-Human C-Reactive Protein/CRP Monoclonal Antibody (Catalog # MAB17073) coated on a Clear Polystyrene Microplate (Catalog # DY990). Mouse Anti-Human C-Reactive Protein/CRP Monoclonal Antibody (Catalog # MAB17072) was biotinylated and incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # DY998) followed by Substrate Solution (Catalog # DY999) and stopping the enzymatic reaction with Stop Solution (Catalog # DY994).

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CRP is a secreted protein that belongs to the Pentraxin family. It circulates as a non-covalent homopentamer. The CRP concentration in human plasma is highly increased during acute phase response to tissue injury or infection.

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