

Human/Mouse/Porcine C-Reactive Protein/CRP Antibody

Monoclonal Mouse IgG_{2A} Clone # 232026 Catalog Number: MAB1707

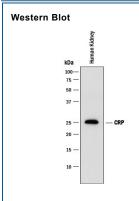
DESCRIPTION	
Species Reactivity	Human/Mouse/Porcine
Specificity	Detects rhCRP in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody shows 100% cross-reactivity with rmCRP and rpCRP but no cross-reactivity with rrCRP.
Source	Monoclonal Mouse IgG _{2A} Clone # 232026
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human plasma-derived CRP
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

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.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

DATA



Detection of Human C-Reactive Protein/CRP by Western Blot. Western blot shows lysates of human kidney tissue. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human/Mouse/Porcine C-Reactive Protein/CRP Monoclonal Antibody (Catalog # MAB1707) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # Catalog # HAF018). A specific band was detected for C-Reactive Protein/CRP at approximately 25 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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.
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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