

## DESCRIPTION

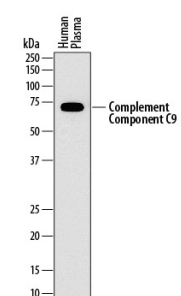
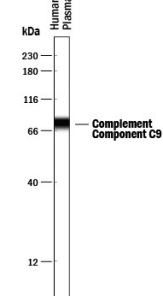

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Complement Component C9 in ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 887025
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human Complement Component C9 Met1-Lys559 Accession # P02748
<b>Formulation</b>	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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below
<b>Simple Western</b>	10 µg/mL	See Below

## DATA

<p><b>Western Blot</b></p>  <p><b>Detection of Human Complement Component C9 by Western Blot.</b> Western blot shows human plasma. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human Complement Component C9 Monoclonal Antibody (Catalog # MAB8126) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Complement Component C9 at approximately 70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p><b>Simple Western</b></p>  <p><b>Detection of Human Complement Component C9 by Simple Western™.</b> Simple Western lane view shows human plasma, loaded at 0.5 mg/mL. A specific band was detected for Complement Component C9 at approximately 78 kDa (as indicated) using 10 µg/mL of Mouse Anti-Human Complement Component C9 Monoclonal Antibody (Catalog # MAB8126). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.</p> 
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## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Complement Component 9 (C9) is a 65-70 kDa protein of the complement membrane attack complex (C5b-9) that binds C5b-8, polymerizes, and forms pores upon activation of the complement cascade. Mature human C9 shares 60% and 66% amino acid sequence identity with mouse and rat C9, respectively. It may be proteolytically cleaved by thrombin into a 28-34 kDa cysteine-rich, mannosylated soluble C9a subunit, and a 37-38 kDa membrane-anchored N-glycosylated C9b. These fragments are also able to polymerize.