

Human/Mouse/Rat Properdin Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF8216

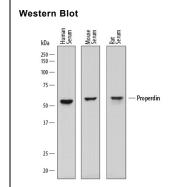
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human, mouse, and rat Properdin in direct ELISAs and Western blots.		
Source	Polyclonal Sheep IgG		
Purification	Antigen Affinity-purified		
Immunogen	Human embryonic kidney cell line HEK293-derived human Properdin Asp28-Leu469 Accession # P27918		
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.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human, Mouse, and Rat Properdin by Western Blot. Western blot shows lysates of human serum, mouse serum, and rat serum. PVDF membrane was probed with 1 μg/mL of Sheep Anti-Human/Mouse/Rat Properdin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8216) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Properdin at approximately 53-55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe 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

Human Properdin, also known as Complement factor P (CFP), is a 53 kDa secreted glycoprotein that exists in plasma as dimers, trimers or tetramers. It a positive regulator of the alternate pathway of complement. Properdin binds to and stabilizes the C3- and C5-convertase enzyme complexes and is thought to connect humoral and cellular immunity. Properdin released from activated neutrophils may play a major role in pattern recognition, whereas plasma properdin may primarily stabilize convertase. Properdin deficiency results in higher susceptibility to bacterial infections. Full-length human Properdin shares 77 % sequence identity with mouse Properdin.

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