

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
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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 is 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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