

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Complement Component C9 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Human embryonic kidney cell line HEK293-derived human Complement Component C9 Gln22-Lys559 (predicted) Accession # P02748
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

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.

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