

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Complement C1qC in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) C1qA and rhC1qB is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human C1qC Lys115-Asp245 Accession # P02747
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunocytochemistry	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

C1qC is a globular secreted protein and is a subunit of complement component C1q. C1q is composed of 18 polypeptide chains of three distinct subtypes (C1qA, C1qB and C1qC) arranged as 6 disulfide-linked A-B heterodimers and 3 disulfide-linked C-C homodimers. All C1q subunits contain a C1q globular domain and one collagen-like domain. C1q is a subcomponent of complement C1 complex which comprises one C1q and the Ca²⁺-dependent serine protease tetramer C1r₂-C1s₂. C1 complex triggers the classical complement pathway. Within the C1q domain, human C1qC shares approximately 75% amino acid sequence identity with mouse and rat C1qC.

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