

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human Complement Component C1qA in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Complement Component C1qB is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 394107
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Complement Component C1qA Lys110-Ala245 Accession # P02745
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.
Immunohistochemistry	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

C1qA, one of three subunits of complement component C1q, contains a collagen-like domain and a globular C1q domain. Within the globular domain, human C1qA shares 73% and 77% aa sequence identity with mouse and rat C1qA, respectively. Six disulfide-linked heterodimers of C1qA and C1qB associate with three disulfide-linked homodimers of C1qC to form C1q. Deficiency in C1qA is associated with the development of autoimmunity.

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