

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
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	Recombinant Human Complement Component C1qA

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The 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. <ul style="list-style-type: none"> ● 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

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.