

## Product datasheet for **AM01324PU-N**

### **C1QA Mouse Monoclonal Antibody [Clone ID: 3R9/2]**

#### **Product data:**

|                              |   |
|------------------------------|---|
| <b>Product Type:</b>         | Primary Antibodies  |
| <b>Clone Name:</b>           | 3R9/2   |
| <b>Applications:</b>         | ELISA, FC, IHC  |
| <b>Recommended Dilution:</b> | ELISA.<br>Flow Cytometry.<br>Immunohistochemistry on Frozen Sections: It has been reported that this antibody works very well on acetone-fixed, frozen renal biopsies at a dilution of 1/500-1/600. Strong staining was observed in the glomeruli and in some cases the peritubular capillary (potentially clinically significant).<br>Recommended Positive Control: Kidney tissue from patients with streptococcal glomerulonephritis. |
| <b>Reactivity:</b>           | Human   |
| <b>Host:</b>                 | Mouse   |
| <b>Isotype:</b>              | IgG1  |
| <b>Clonality:</b>            | Monoclonal  |
| <b>Immunogen:</b>            | Binds globular head domain of C1q, purified from human plasma.  |
| <b>Specificity:</b>          | This antibody recognises human complement component 1, q subcomponent (C1q), a 156kDa secreted protein.   |
| <b>Formulation:</b>          | Borate Buffered Saline, pH 8.4 containing 0.02% Sodium Azide as preservative.<br>State: Purified<br>State: Liquid purified Ig fraction.   |
| <b>Concentration:</b>        | lot specific  |
| <b>Purification:</b>         | Affinity Chromatography on Protein A.   |
| <b>Conjugation:</b>          | Unconjugated  |
| <b>Storage:</b>              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| <b>Stability:</b>            | Shelf life: one year from despatch.   |
| <b>Gene Name:</b>            | complement component 1, q subcomponent, A chain   |



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**Database Link:** [Entrez Gene 712 Human P02745](#)

**Background:** C1q associates with proenzymes C1r and C1s to form the calcium-dependent C1 complex, the first component of the serum complement system. C1q is composed of six A, six B-chains and six C-polypeptide chains. Each chain contains a collagen-like region located near the N-terminus and a C-terminal globular region. These regions bind the Fc region of IgM and IgG molecules, initiating the classical pathway of complement activation. C1q deficiency has been associated with lupus erythematosus and glomerulonephritis.

**Synonyms:** Complement C1q, Complement 1q