

## Mouse Complement C1q Monoclonal Antibody | anti-C1QB antibody

Complement C1q antibody

|                              |                      |                                                                      |
|------------------------------|----------------------|----------------------------------------------------------------------|
| CATALOG #<br><b>AAA74511</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunoblot, Western Blot, ELISA</b> |
|------------------------------|----------------------|----------------------------------------------------------------------|

### PRODUCT SYNONYMS

Complement C1q; Monoclonal Antibody; Complement C1q antibody; Monoclonal Complement C1q; Anti-Complement C1q; C1q; Complement Cq 1; Complement Cq - 1; anti-C1QB antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clone Number                                   | 242G3                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                                    | Human complement C1q                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification                            | Protein A affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                    | Lyophilized powder. Reconstitute in 1 mL in distilled water.<br><br>Final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4. Dilute further 1:100 for Western Blotting.                                                                                                                                                                                                                                                                                         |
| Sequence Length                                | 253                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-C1QB antibody | WB (Western Blot), IB (Immunoblot), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Biological Significance                        | The C1q complex is potentially multivalent for attachment to the complement fixation sites of immunoglobulin. The sites are on the CH2 domain of IgG and probably on the CH4 domain of IgM. The appropriate peptide sequence of the complement fixing site might become exposed following complexing of the immunoglobulin, or the sites might always be available, but might require multiple attachment by C1q with critical geometry in order to achieve the necessary avidity. |
| Cross-Reactivity                               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen                                      | Complement C1q antibody was raised in mouse using human complement C1q as the immunogen.                                                                                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage                        | Ships ambient or refrigerated. Upon receipt store at -20°C.                                                                                                                                                                                                                                                                                                                                                                                                                        |

### ADDITIONAL INFORMATION

|                                                    |                                          |
|----------------------------------------------------|------------------------------------------|
| Related Product Information for anti-C1QB antibody | Mouse monoclonal Complement C1q antibody |
| Product Categories/Family for anti-C1QB antibody   | <a href="#">Immunology</a>               |

### NCBI AND UNIPROT INFORMATION

|           |                          |
|-----------|--------------------------|
| NCBI GI # | <a href="#">87298828</a> |
|-----------|--------------------------|

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GeneID                      | 713                                             |
| NCBI Accession #                 | NP_000482.3                                     |
| NCBI GenBank Nucleotide #        | NM_000491.3                                     |
| UniProt Accession #              | P02746; Q5T959; Q96H17                          |
| NCBI Official Full Name          | complement C1q subcomponent subunit B           |
| NCBI Official Synonym Full Names | complement component 1, q subcomponent, B chain |
| NCBI Official Symbol             | C1QB                                            |
| NCBI Protein Information         | complement C1q subcomponent subunit B           |
| UniProt Protein Name             | Complement C1q subcomponent subunit B           |
| UniProt Gene Name                | <b>C1QB</b>                                     |
| UniProt Entry Name               | C1QB_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/complement-c1q-antibody-clone-242g3-western-blot-immunoblot-elisa/74511>