

# anti-Complement C5 (Eculizumab)

Cat# A510017

Upon receipt, store at -80°C. Avoid repeated freeze.

## INFORMATION

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| <b>Product Name</b>        | anti-Complement C5 (Eculizumab)  |
| <b>Cat. No.</b>            | A510017  |
| <b>Size</b>                | 1mg/5mg/20mg   |
| <b>Isotype</b>             | Human IgG2/4   |
| <b>Description</b>         | Eculizumab is a recombinant humanized monoclonal antibody directed against the complement protein C5. The complement system pathways are the first line of defense against infectious threats. Their activation plays a critical role in innate and adaptive immune responses. Unfortunately, deregulations within the system have been shown to drive severe immune and inflammatory disorders. Eculizumab biosimilar contains human constant regions from human IgG2 sequences and human IgG4 sequences and murine complementarity-determining regions grafted onto the human framework light- and heavy-chain variable regions. Eculiz umab biosimilaris composed of two 448 amino acid heavy chains and two 214 amino acid light chains and has a molecular weight of approximately 148 kDa. |
| <b>Species Reactivity</b>  | Human  |
| <b>Cas No</b>              | 219685-50-4  |
| <b>Host</b>                | CHO cells  |
| <b>Clonality</b>           | Monoclonal   |
| <b>Conjugate</b>           | Non-conjugated   |
| <b>Tested applications</b> | Functional Assay   |
| <b>Molecular Weight</b>    | 148 kDa  |
| <b>Purity</b>              | >95%; < 0.75 EU/mg as determined by the LAL method   |
| <b>Storage buffer</b>      | 0.01 M phosphate buffered saline (PBS) pH 7.2  |
| <b>Storage instruction</b> | This solution is stable for at least 4 weeks when stored at 2-8°C. For long term storage aseptically aliquot and store at -80°C.Avoid repeated freeze/thaw cycles.   |

## PRODUCT USE LIMITATION

These products are intended for research use only.