

## Eculizumab

Catalog #	Source	Reactivity	Applications
CBA1006	Humanized	Human	Functional Assay

**Description** Anti-Complement C5 [Eculizumab]

**Immunogen**

**Purification** Affinity Chromatography

**Specificity**

**Clonality** Monoclonal

**Conjugation**

**Form** IgG2/4, liquid in 10 mmol/L PBS, pH 7.2

**Dilution**

**Gene Symbol** C5

**Alternative Names** CPAMD4; Complement C5; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4

**Entrez Gene** 727

**SwissProt** P01031

**Directions for Use** 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

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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## Product Data Sheet

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.

### Storage/Stability

Stored at 2-8°C for at least 4 weeks. Store at -20 °C for 12 months. For long term storage aseptically aliquot and store at -80°C. Avoid repeated freeze/thaw cycles.

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