



Anti-C6 monoclonal antibody, clone 056B-214.2.4.2 (CABT-45021MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product recognises complement component 6 (C6), a 104 kDa member of the complement C6/C7/C8/C9 family present in blood serum. The factor I modules of C6 bind the C-terminus of the C5b alpha-chain, anchoring the molecule to the membrane; they also binds complement component 7. This enables the formation of the C5b-7 precursor complex. C5b-7 then functions as a receptor for components C8 and C9 which form the complement membrane attack complex (MAC). Deficiency of C6 results in susceptibility to bacterial infection. This antibody recognises MAC.

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| Specificity | C6 |
| Immunogen | Purified human C6 |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | 056B-214.2.4.2 |
| Conjugate | Unconjugated |
| Applications | IHC-Fr; ELISA; FC |
| Format | Purified IgG - liquid |
| Size | 100 µg |
| Preservative | 0.1% Sodium Azide |
| Storage | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid |

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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| Gene Name | C6 complement component 6 [Homo sapiens (human)] |
| Official Symbol | C6 |
| Synonyms | C6; complement component 6; complement component C6; |
| Entrez Gene ID | 729 |
| Protein Refseq | NP_000056 |
| UniProt ID | P13671 |
| Chromosome Location | 5p13 |
| Pathway | Complement Activation, Classical Pathway; Complement and Coagulation Cascades; Complement and coagulation cascades; Complement cascade; Immune System; Innate Immune System; Prion diseases; Regulation of Complement cascade; |
| Function | protein binding; |