

CD59 monoclonal antibody, clone VJ1/12,2 (Biotin)

Catalog # MAB13958

Size 100 ug

Specification

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|----------------------|--|
| Product Description | Mouse monoclonal antibody raised against human CD59. |
| Immunogen | TNF activated HUVEC cells. |
| Host | Mouse |
| Theoretical MW (kDa) | 18-20 |
| Reactivity | Human |
| Form | Liquid |
| Conjugation | Biotin |
| Purification | Protein A/G purification |
| Purity | >90% |
| Isotype | IgG2a |
| Recommend Usage | Flow Cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide). |
| Storage Instruction | Store in the dark at 4°C. Avoid prolonged exposure to light. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Flow Cytometry

Gene Info — CD59

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| Entrez GeneID | 966 |
| Protein Accession# | P13987 |
| Gene Name | CD59 |
| Gene Alias | 16.3A5, 1F5, EJ16, EJ30, EL32, FLJ38134, FLJ92039, G344, HRF-20, HRF20, MAC-IP, MAC1F, MEM43, MGC2354, MIC11, MIN1, MIN2, MIN3, MIRL, MSK21, p18-20 |
| Gene Description | CD59 molecule, complement regulatory protein |
| Omim ID | 107271 |
| Gene Ontology | Hyperlink |
| Gene Summary | This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq] |
| Other Designations | 20 kDa homologous restriction factor CD59 antigen CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344) CD59 glycoprotein Ly-6-like protein T cell-activating protein human leukocyte antigen MIC11 lymphocytic a |

Pathway

- [Complement and coagulation cascades](#)
- [Hematopoietic cell lineage](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Macular Degeneration](#)