CD59 monoclonal antibody, clone VJ1/12.2

Catalog # MAB4990 Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against native CD59.
Immunogen	Cell preparation of human peripheral blood lymphocytes.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a
Recommend Usage	Flow Cytometry (20 uL/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 1% BSA, pH 7.2 (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 shoul d be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — CD59

Entrez GeneID	966
Gene Name	CD59

Gene Alias	16.3A5, 1F5, EJ16, EJ30, EL32, FLJ38134, FLJ92039, G344, HRF-20, HRF20, MAC-IP, MACIF, 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