

# 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 $\mu$ L/ $10^6$ 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 should be handled by trained staff only.

## Applications

- Flow Cytometry

## Gene Info — CD59

Entrez GeneID [966](#)

Gene Name CD59

<b>Gene Alias</b>	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
<b>Gene Description</b>	CD59 molecule, complement regulatory protein
<b>Omim ID</b>	<a href="#">107271</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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]
<b>Other Designations</b>	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](#)