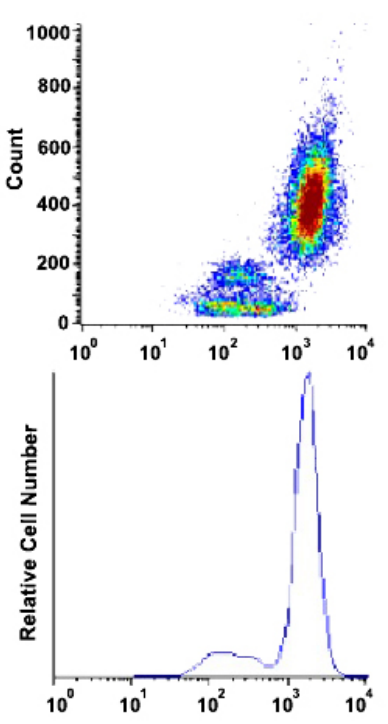
CD59 monoclonal antibody, clone VJ1/12,2 (CF-Blue)

Catalog # MAB13959 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of human normal whole blood with CD59 monoclonal antibody, clone VJ1/12,2 (CF-Blue) (Cat # MAB13959).

Specification

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	CF-Blue
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG2a
Recommend Usage	Flow Cytometry (5 uL/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 shoul d be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — CD59

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, MACI F, 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 thi s 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 pathw ays 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 s pliced transcript variants, which encode the same protein, have been identified for this gene. [prov ided 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 protei n|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