CD55 monoclonal antibody, clone 67

Catalog # MAB5221 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD55.
Immunogen	Native purified CD55 from K562 cells.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes the human CD55 cell surface antigen, a GPI linked molecule also known as decay accelerating factor (DAF). CD55 is expressed by a wide range of cell types. Erythrocyte expression is very weak.
Form	Liquid
Isotype	IgG1
Recommend Usage	Flow Cytometry (1:10-1:25) Immunohistochemistry (Frozen sections) (1:100-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

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Gene Info — CD55

Entrez GeneID	1604
Gene Name	CD55
Gene Alias	CR, CROM, DAF, TC
Gene Description	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
Omim ID	125240
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF); binding of DAF to complemen t proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. A ntigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower le vels. Additional, alternatively spliced transcript variants have been described, but their biological v alidity has not been determined. [provided by RefSeq
Other Designations	CD55 antigen|decay accelerating factor for complement

Pathway

- Complement and coagulation cascades
- Hematopoietic cell lineage

Disease

- Asthma
- Birth Weight
- Chorioamnionitis
- Down Syndrome
- Fetal Membranes

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- Genetic Predisposition to Disease

- Glioblastoma
- Glioma
- Leukemia
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth
- Rhinitis

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