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CD59
Mouse Anti-Human CD59 (Clone MEM-43) mAb, Azide Free

Catalog No.	CDM062A CDM062B	**Quantity:**	200 µg 500 µg

Alternate Names: CD59 glycoprotein, 1F5 antigen, 20 kDa homologous restriction factor, HRF-20, SAC-IP. MEM43 antigen, Membrane attack complex inhibition factor, MACIF, Membrane inhibitor of reactive lysis, MIRL

Description: The monoclonal antibody recognizes CD59, a cell surface glycoprotein that regulates complement-mediated cell lysis, and 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.

UniProt ID: P13987

Gene ID: 966

Concentration: 1.0 mg/ml

Specificity: Reacts with a PI-linked glycoprotein, molecular weight 18-20 kDa, found in all types of leucocytes including platelets.

Hybridoma: Myeloma X63/AG.8653 x BALB/c spleen cells

Isotype: Mouse IgG2a Kappa light chain

Immunogen: Thymocytes and T lymphocytes

Clone: MEM-43

Formulation: Sterile-filtered PBS, treated to remove endotoxin. Carrier and preservative free.

Applications: Immunofluorescence, Immunoprecipitation

Application Notes: Use for identification of CD59+ cells by immunofluorescence and immunoperoxidase methods on cryostat sections.

Storage & Stability: Stable for 1 year at 2-8°C. For longer storage, freeze in working aliquots at -20°C to -80° C. **Avoid repeated freeze-thaw cycles.**

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