

CD59

Mouse Anti-Human CD59 (Clone MEM-43) mAb

Catalog No.	CDM440	Quantity:	200 tests
Alternate Names:	1F5, EJ16, EJ30, EL32, HRF-20, HRF20, MAC-IP, MACIF		
Description:	<p>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.</p>		
Gene ID:	966		
Concentration:	100 tests/ml		
Conjugate:	Unconjugated		
Specificity:	Reacts with a PI-linked glycoprotein, molecular weight 18-20 kDa, found in all types of leucocytes including platelets.		
Host:	Mouse		
Isotype:	IgG2a		
Immunogen:	Thymocytes and T lymphocytes		
Clone:	MEM-43		
Formulation:	Liquid in PBS + 5% BSA + 0.1% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications:	Immunofluorescence, Immunoperoxidase		
Application Notes:	Tested for identification of CD59+ cells by immunofluorescence and immunoperoxidase methods on cryostat sections. The optimal concentration should be determined by the user for each specific application.		
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.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

