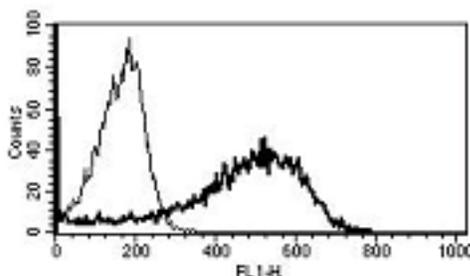


## CD59

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

<b>Catalog No.</b>	CDM448	<b>Quantity:</b>	100 tests
<b>Alternate Names:</b>	1F5, EJ16, EJ30, EL32, HRF-20, HRF20, MAC-IP, MACIF		
<b>Description:</b>	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.		
<b>Gene ID:</b>	966		
<b>Concentration:</b>	100 tests/ml		
<b>Conjugate:</b>	FITC		
<b>Specificity:</b>	Reacts with a PI-linked glycoprotein, molecular weight 18-20 kDa, found in all types of leucocytes including platelets.		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG2a		
<b>Immunogen:</b>	Thymocytes and T lymphocytes		
<b>Clone:</b>	MEM43		
<b>Formulation:</b>	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.		
<b>Applications:</b>	Flow Cytometry, Immunofluorescence, Immunoperoxidase		
<b>Application Notes:</b>	FC: 10µl of conjugate to label 10e6 cells or 100µl of whole blood. IF/IHC: Tested for identification of CD59+ cells on cryostat sections of paroxysmal nocturnal haemoglobin urea type II & III cells. The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Stable for 1 year at 2-8°C. For longer storage, freeze in working aliquots at -20°C to -80° C. <b>Avoid repeated freeze-thaw cycles.</b>		

A typical staining pattern with the MEM43 monoclonal antibody of lymphocytes



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