

## 30-1015: Anti-CD59 / Protectin Monoclonal Antibody (Clone:MEM-129)-Azide free

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-129
<b>Application :</b>	Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD59
<b>Gene ID :</b>	966
<b>Uniprot ID :</b>	P13987
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD59,MIC11,MIN1,MIN2,MIN3,MSK21
<b>Isotype :</b>	Mouse IgM
<b>Immunogen Information :</b>	Human peripheral blood lymphocytes

### Description

CD59 (Protectin) is a small (18-20 kDa) GPI-anchored ubiquitously expressed inhibitor of the membrane attack complex (MAC). It is thus the key regulator that preserves the autologous cells from terminal effector mechanism of the complement cascade. CD59 associates with C5b-8 complex and thereby counteracts appropriate formation of cytolytic pore within the plasma membrane. CD59 is also an low-affinity ligand of human CD2 and causes T cell costimulation.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by precipitation and chromatography
<b>Content :</b>	Concentration: 1 mg/ml Formulation : Tris buffered saline (TBS), pH 8.0
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Functional Application** The antibody MEM-129 activates T cells. **Flow Cytometry** *Recommended dilution: 2-8  $\mu$ g/ml*

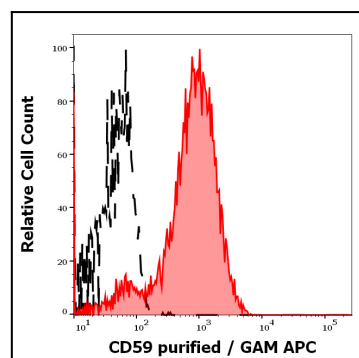


Figure 1: Separation of KG-1a cells stained using anti-human CD59 (MEM-129) purified antibody (concentration in sample 1  $\mu$ g/ml, GAM APC, red-filled) from KG-1a cells stained using anti-human CD57 (TB01) purified antibody as mouse IgM isotype control (concentration in sample 1  $\mu$ g/ml, same as CD59 purified concentration, GAM APC, black-dashed) in flow cytometry analysis (surface staining).