



# Mouse Anti-Human CD59 Monoclonal Antibody, clone MEM-43 (CABT-Z607M)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	The antibody MEM-43 reacts with well defined epitope (W40, R-53) on CD59 (Protectin).
<b>Immunogen</b>	Human CD59
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	MEM-43
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FA
<b>Epitope</b>	W40, R-53
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	PBS (sterile), pH 7.2.
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. Avoid freeze and thaw cycles.

## BACKGROUND

**Introduction**

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.

**Keywords**

CD59;CD59 molecule, complement regulatory protein;Cd59a;Cd59b;MACIF;MACIP;MAC-IP;CD59 glycoprotein; protectin;CD59 antigen;Cb59b molecule;MAC-inhibitory protein; membrane attack complex inhibition factor;CD59b molecule, complement regulatory protein

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## GENE INFORMATION

**Gene Name**

CD59

**Entrez Gene ID**[966](#)**UniProt ID**[P13987](#)

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