

AM08314PU-N**Monoclonal Antibody to CD59 - Purified**

Alternate names:	20 kDa homologous restriction factor, HRF-20, HRF20, MAC-IP, MAC-inhibitory protein, MACIF, MEM43 antigen, MIC11, MIN1, MIN2, MIN3, MIRL, MSK21, Membrane attack complex inhibition factor, Membrane inhibitor of reactive lysis, Protectin
Quantity:	50 µg
Concentration:	1 mg/ml
Background:	CD59, an LY6 like protein expressed in human lymphoid cells, regulates the action of the complement membrane attack complex on homologous cells. It is a potent inhibitor of the complement membrane attack complex action. It acts by binding to the C8 and/or C9 complements of the membrane attack complex, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. CD59 is also involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.
Uniprot ID:	P13987
NCBI:	NP_000602.1
GeneID:	966
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	MEM-43/5
Immunogen:	Thymocytes and T lymphocytes.
Format:	State: Liquid purified Ig fraction. Purification: Protein A Chromatography. Buffer System: PBS, pH 7.4 containing 15 mM Sodium Azide as preservative.
Applications:	Flow Cytometry: 1 µg/ml. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Immunoprecipitation. Western Blot: 1 - 2 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody AM08314PU-N reacts with well defined epitope (around L33) on CD59 (Protectin), a 18-20 kDa glycosylphosphatidylinositol (GPI)-anchored glycoprotein expressed on all hematopoietic cells; it is widely present on cells in all tissues. The MEM-43/5 does not compete with most other CD59 antibodies.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Skin, pilosebaceous unit: Formalin-Fixed
Paraffin-Embedded (FFPE)

