CD59 / Complement Regulatory Protein / Protectin Antibody

Mouse Monoclonal Antibody [Clone 193-27]

Catalog No	Format	Size
966-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
966-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
966-MSM1-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

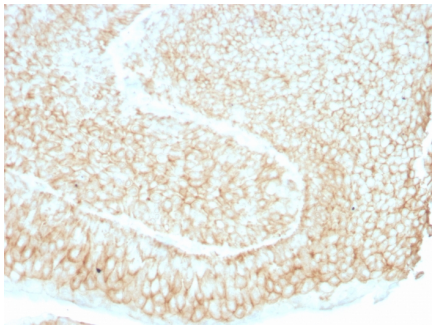
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

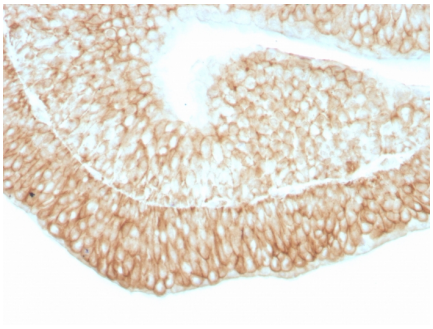
Clone	193-27
Gene Name	CD59
Immunogen	Stimulated human leukocytes
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Mol. Weight of Antigen	20kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Jurkat or Raji cells. Human lymphocytes. Human lymph node and tonsil.

**Optimal dilution for a specific application should be determined.*

Product Images for CD59 / Complement Regulatory Protein / Protectin Antibody



Formalin-fixed, paraffin-embedded human bladder stained with CD59 Mouse Monoclonal Antibody (193-27).



Formalin-fixed, paraffin-embedded human bladder stained with CD59 Mouse Monoclonal Antibody (193-27).

Specificity & Comments

Reacts with human CD59, a 20kDa glycosyl phosphatidyl-inositol (GPI)-anchored cell surface protein (Workshop VI; Code N-L036). CD59 regulates complement-mediated cell lysis, and it 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. CD59 is widely distributed on cells in all tissues. It inhibits formation of MAC, thus protecting cells from complement-mediated lysis. The expression of CD59 on erythrocytes is important for their survival. Genetic defects in GPI-anchor attachment, that cause a reduction or loss of CD59 and CD55 on erythrocytes produce the symptoms of the disease paroxysmal hemoglobinuria (PNH). This MAb recognizes CD59 transfected cells. It is useful for study on GPI-anchored proteins, PNH and CD59 functions.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Complement System, Hematopoietic Stem Cells, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.