



Rabbit Anti-Human CD59 monoclonal antibody, clone KN21-82 (CABT-L916)

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

PRODUCT INFORMATION

Target	CD59
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN21-82
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, FC,IP
Cellular Localization	Cell membrane. Secreted.
Positive Control	NIH-3T3, HUVEC, JAR, K562, Human placenta.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

BACKGROUND

Introduction

CD59 is a GPI-anchored glycoprotein that is expressed on leukocytes, vascular endothelial cells, various epithelial cells and placenta. CD59 acts together with CD58 in mediating T cell adhesion and activation, and it may be a second ligand of CD2. CD59 functions as a regulator of the terminal pathway of complement by binding to the C8/C9 components of the assembling membrane attack complex (MAC) on host cell membranes, to stop the formation of the lytic pore. CD59 also drives both calcium release and activation of lipid-raft associated signalling molecules such as tyrosine kinases. CD59 gene has two p53-responsive domains that may be implicated in the defense of host cells from damage by the complement system in inflammation, suggesting that p53 could be used to mediate susceptibility of tumor cells to the complement lysis during chemotherapy.

Keywords

16.3A5;1F5;1F5 antigen;20 kDa homologous restriction factor;CD59;CD_antigen=CD59;CD59;CD59 antigen;CD59 antigen complement regulatory protein;CD59 antigen p18 20;CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344);CD59 glycoprotein;CD59 molecule;CD59 molecule complement regulatory protein;CD59_HUMAN;Cd59a;Complement regulatory protein;EJ16;EJ30;EL32;FLJ38134;FLJ92039;G344;HRF 20;HRF-20;HRF20;Human leukocyte antigen MIC11;Ly 6 like protein;Lymphocytic antigen CD59/MEM43;MAC inhibitory protein;MAC IP;MAC-inhibitory protein;MAC-IP;MACIF;MACIP;MEM43;MEM43 antigen;Membrane attack complex (MAC) inhibition factor;Membrane attack complex inhibition factor;Membrane inhibitor of reactive lysis;MGC2354;MIC11;MIN1;MIN2;MIN3;MIRL;MSK21;p18 20;Protectin;Surface antigen recognized by monoclonal antibody 16.3A5;T cell activating protein antibody

GENE INFORMATION

Entrez Gene ID [966](#)

UniProt ID [P13987](#)
