

CD59 (Protectin) Monoclonal Antibody (OV9A2), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OV9A2
Conjugate	FITC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10717243

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	2 Publications

Product Specific Information

Description: This OV9A2 monoclonal antibody reacts with human CD59, which is also known as Protectin. This GPI-linked membrane glycoprotein shares structural homology with the murine Ly-6 superfamily. CD59 is expressed on all human lymphocytes, monocytes, granulocytes, and erythrocytes. This protein is also expressed on non-hematopoietic cells, including endothelial cells and neurons. By binding the complement components C8 and C9, CD59 inhibits assembly of the membrane attack complex and cytolytic activity by complement. CD59 interacts with CD2 to modulate T cell adhesion, and also plays a role in T cell activation. Finally, altered expression of CD55 and CD59 on human peripheral blood cells has been observed in patients with systemic lupus erythematosus (SLE).

Crossblocking studies indicate that the OV9A2 monoclonal antibody binds the same epitope as MEM-43.

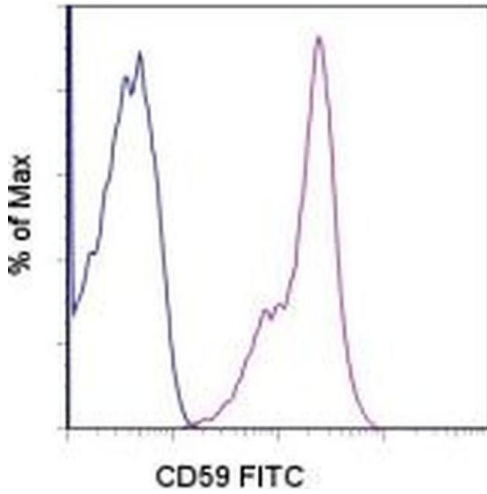
Applications Reported: This OV9A2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OV9A2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD59 (Protectin) Monoclonal Antibody (OV9A2), FITC, eBioscience™



CD59 (Protectin) Antibody (11-0596-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD59 (Protectin) FITC (purple histogram). Cells in the lymphocyte gate were used for analysis.

2 References

Flow Cytometry (2)

Experimental and therapeutic medicine

MALP-2, an agonist of TLR6, promotes the immune status without affecting the differentiation capacity of umbilical cord mesenchymal stem cells.

"11-0596 was used in Flow cytometry/Cell sorting to assess the role of TLR6 in the immune status of umbilical cord mesenchymal stem cells, by stimulation with the TLR6 agonist MALP-2."

Authors: Wu X,Xu L,Shen Y,Yu N,Zhang Y,Guo T

Species
Human

Dilution
1:200

Year
2017

PloS one

Increased expression of complement regulators CD55 and CD59 on peripheral blood cells in patients with EAHEC O104:H4 infection.

"Published figure using CD59 (Protectin) monoclonal antibody (Product # 11-0596-42) in Flow Cytometry"

Authors: Dammermann W,Schipper P,Ullrich S,Fraedrich K,Schulze Zur Wiesch J,Fründt T,Tiegs G,Lohse A,Lüth S

Species
Not Applicable

Dilution
Not Cited

Year
2014

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