CD35 Monoclonal Antibody (E11), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Non-human primate
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	E11
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10853499

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	1 Publication

Product Specific Information

Description: This E11 monoclonal antibody reacts with human and non-human primate CD35, which is also known as complement receptor 1 (CR1). CD35 is expressed on B cells, T cell subsets, follicular dendritic cells, macrophages, neutrophils, eosinophils, and erythrocytes. This cell surface protein is also present on non-immune cells such as glomerular podocytes and Langerhans cells. CD35 binds the complement components C3b and C4b, which are derived from cleavage of C3 and C4, respectively, in the classical and alternative complement pathways. In humans, CD35 has been implicated in a variety of roles, including complement activation, transporting C3 complexes on erythrocytes, phagocytosis of complement-bound neutrophils and macrophages, B cell proliferation, and opsonization. Reports also indicate that Plasmodium falciparum, the pathogen that causes malaria, invades host erythrocytes by binding CD35. Decreased expression of CD35 on erythrocytes has been associated with systemic lupus erythematosus (SLE), type I diabetes, and rheumatoid arthritis.

The E11 antibody has been reported to crossreact to capuchin monkey, chimpanzee, cynomologus monkey, olive baboon, and rhesus macaque.

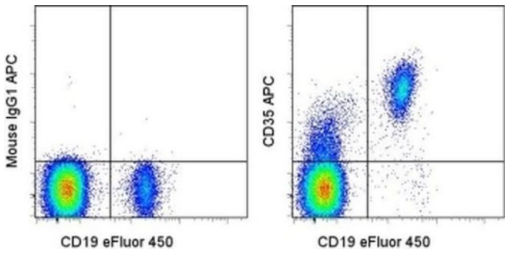
Applications Reported: This E11 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This E11 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 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 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD35 Monoclonal Antibody (E11), APC, eBioscience™



CD35 Antibody (17-0359-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD19 eFluor® 450 (Product # 48-0199-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human/Non-Human Primate CD35 APC (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Cell reports. Medicine

A group B *Streptococcus* alpha-like protein subunit vaccine induces functionally active antibodies in humans targeting homotypic and heterotypic strains.

"17-0359-42 was used in Flow Cytometry to demonstrate robust IgG and IgA responses in relation to vaccine homotypic and heterotypic group B Streptococcus strains, which go on to prevent bacterial invasion of epithelial cells in neonates."

Authors: Pawlowski A,Lannergård J,Gonzalez-Miro M,Cao D,Larsson S,Persson JJ,Kitson G,Darsley M,Rom AL, Hedegaard M,Fischer PB,Johansson-Lindbom B

Year
2022

Species
Human

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