

CD25 Monoclonal Antibody (BC96), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Baboon, Human, Mouse
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	BC96
Conjugate	APC
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_1582219

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	40 Publications

Product Specific Information

Description: The BC96 monoclonal antibody reacts with human CD25, the 55 kDa interleukin-2 receptor alpha chain (IL-2Ralpha). CD25 is expressed by early progenitors of T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 associates with CD122 (IL-2 receptor beta chain) and CD132 (common gamma chain) to form the high affinity IL-2 receptor. CD25 plays a role in lymphocyte differentiating and activation/proliferation.

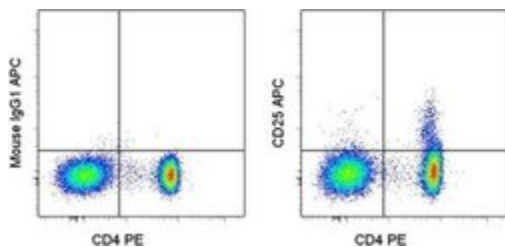
Applications Reported: The BC96 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This BC96 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: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD25 Monoclonal Antibody (BC96), APC, eBioscience™



CD25 Antibody (17-0259-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD4 PE (Product # 12-0049-42) and Mouse IgG1 kappa Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD25 APC (right). Cells in the lymphocyte gate were used for analysis.

40 References

Flow Cytometry (40)

Allergy, asthma, and clinical immunology : official journal of the Canadian Society of Allergy and Clinical Immunology

Taurine promotes the production of CD4⁺CD25⁺FOXP3⁺ Treg cells through regulating IL-35/STAT1 pathway in a mouse allergic rhinitis model.

"17-0259-42 was used in Flow Cytometry to show that the restoration of Treg populations by taurine normalizes the inflammatory response, reduces AR symptomology, and reduces histopathologic signs of AR."

Authors: Zhou J,Lu Y,Wu W,Feng Y

Species
Human

Dilution
Not Cited

Year
2021

Aging cell

Ageing promotes early T follicular helper cell differentiation by modulating expression of RBPJ.

"17-0259-42 was used in Flow Cytometry to show increased formation of Tfh precursors (pre-Tfh) but no associated increase in germinal centre (GC)-Tfh cells in aged mice, suggesting age-driven promotion of only early Tfh cell differentiation."

Authors: Webb LMC,Fra-Bido S,Innocentini S,Matheson LS,Attaf N,Bignon A,Novarino J,Fazilleau N,Linterman MA

Species
Mouse

Dilution
Not Cited

Year
2021

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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