

# CD25 Monoclonal Antibody (BC96), APC, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Baboon, Human, Mouse
Host/Isotope	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_1582220

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	37 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.

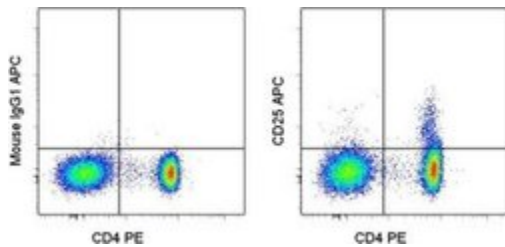
Applications Reported: The BC96 antibody has been reported for use in flow cytometric analysis.

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 10<sup>5</sup> to 10<sup>8</sup> 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 (17-0259-41) 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.

[View more figures on thermofisher.com](#)

### 37 References

#### Flow Cytometry (37)

Frontiers in pharmacology

### Disruption of PD-1 Enhanced the Anti-tumor Activity of Chimeric Antigen Receptor T Cells Against Hepatocellular Carcinoma.

"Published figure using CD25 monoclonal antibody (Product # 17-0259-42) in Flow Cytometry"

Authors: Guo X, Jiang H, Shi B, Zhou M, Zhang H, Shi Z, Du G, Luo H, Wu X, Wang Y, Sun R, Li Z

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2019

Journal of immunology research

### The Genetic Polymorphisms of NLRP3 Inflammasome Associated with T Helper Cells in Patients with Multiple Myeloma.

Authors: Zhao X, Hua M, Yan S, Yu J, Han F, Zhong C, Wang R, Zhang C, Hou M, Ma D

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2018

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

### More applications with references on thermofisher.com

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