

# CD25 Monoclonal Antibody (BC96), Alexa Fluor™ 647, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	BC96
Conjugate	Alexa Fluor™ 647
Excitation/Emission Max	650/671 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_2744736

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	21 Publications

## Product Specific Information

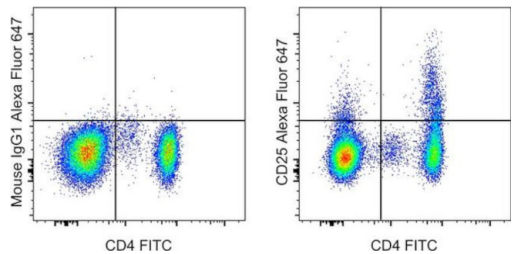
**Description:** The BC96 monoclonal antibody reacts with human CD25, the 55 kDa interleukin-2 receptor alpha chain (IL-2R alpha). CD25 is expressed by early progenitors of T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, 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:** This 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:** 668 nm; **Laser:** Red Laser.

Product Images For CD25 Monoclonal Antibody (BC96), Alexa Fluor™ 647, eBioscience™



**CD25 Antibody (51-0259-42) in Flow**  
Normal human peripheral blood cells were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0047-82) and Mouse IgG1 kappa Isotype Control, Alexa Fluor® 647 (Product # 51-4714-82) (left) or CD25 Monoclonal Antibody, Alexa Fluor® 647 (right). Cells in the lymphocyte gate were used for analysis.

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21 References

Flow Cytometry (21)

Frontiers in immunology	Year 2023
<b>Advanced immunophenotyping: A powerful tool for immune profiling, drug screening, and a personalized treatment approach.</b> "Published figure using CD25 monoclonal antibody (Product # 51-0259-42) in Flow Cytometry" Authors: Preglej T,Brinkmann M,Steiner G,Aletaha D,Göschl L,Bonelli M	
Frontiers in aging neuroscience	Year 2022
<b>Rotenone aggravates PD-like pathology in A53T mutant human - synuclein transgenic mice in an age-dependent manner.</b> "Published figure using CD25 monoclonal antibody (Product # 51-0259-42) in Flow Cytometry" Authors: Chen AD,Cao JX,Chen HC,Du HL,Xi XX,Sun J,Yin J,Jing YH,Gao LP	

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

More applications with references on thermofisher.cn

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