CD25 Monoclonal Antibody (BC96), Alexa Fluor™ 700, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BC96
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 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_2762482

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 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-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.

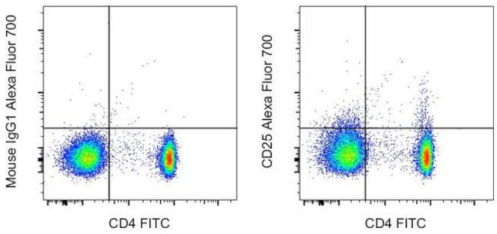
Applications Reported: This BC96 antibody has been reported for use in flow cytometric analysis.

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 (0.25 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.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Product Images For CD25 Monoclonal Antibody (BC96), Alexa Fluor™ 700, eBioscience™



CD25 Antibody (56-0259-42) in Flow
Normal human peripheral blood cells were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0047-42) and Mouse IgG1 kappa Isotype Control, Alexa Fluor 700 (Product # 56-4714-80) (left) or CD25 Monoclonal Antibody, Alexa Fluor 700 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.cn

21 References

Flow Cytometry (21)

Frontiers in immunology

Advanced immunophenotyping: A powerful tool for immune profiling, drug screening, and a personalized treatment approach.

"Published figure using CD25 monoclonal antibody (Product # 56-0259-42) in Flow Cytometry"

Authors: Preglej T,Brinkmann M,Steiner G,Aletaha D,Göschl L,Bonelli M

Year
2023

Frontiers in aging neuroscience

Rotenone aggravates PD-like pathology in A53T mutant human -synuclein transgenic mice in an age-dependent manner.

"Published figure using CD25 monoclonal antibody (Product # 56-0259-42) in Flow Cytometry"

Authors: Chen AD,Cao JX,Chen HC,Du HL,Xi XX,Sun J,Yin J,Jing YH,Gao LP

Year
2022

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More applications with references on thermofisher.cn

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