

CD25 Monoclonal Antibody (BC96), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BC96
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 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_1834362

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	34 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.

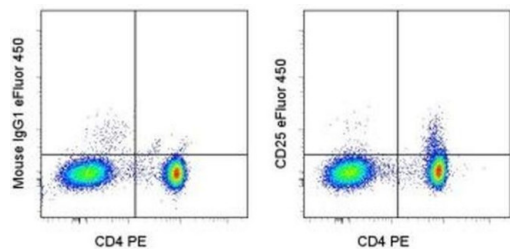
Applications Tested: This BC96 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD25 Monoclonal Antibody (BC96), eFluor™ 450, eBioscience™



CD25 Antibody (48-0259-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD4 PE (Product # 12-0049-42) and of Mouse IgG1 kappa Isotype Control eFluor® 450 (Product # 48-4714-82) (left) or Anti-Human CD25 eFluor® 450 (right). Cells in the lymphocyte gate were used for analysis.

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34 References

Flow Cytometry (34)

Frontiers in pharmacology	Year 2023
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 # 48-0259-42) 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	
Frontiers in immunology	Year 2023
Advanced immunophenotyping: A powerful tool for immune profiling, drug screening, and a personalized treatment approach.	
"Published figure using CD25 monoclonal antibody (Product # 48-0259-42) in Flow Cytometry"	
Authors: Preglej T,Brinkmann M,Steiner G,Aletaha D,Göschl L,Bonelli M	

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