

CD25 Monoclonal Antibody (BC96), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BC96
Conjugate	PE
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_1659682

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	29 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: The BC96 antibody is offered in 2 formats:

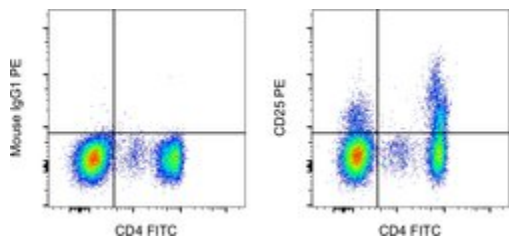
- µg size: It can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested and 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: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD25 Antibody (12-0259-42) in Flow

Normal human peripheral blood cells were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0047-42) and Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or CD25 Monoclonal Antibody, PE (right). Cells in the lymphocyte gate were used for analysis.

29 References

Flow Cytometry (29)

Oncoimmunology

CRISPR-Cas9-mediated disruption of PD-1 on human T cells for adoptive cellular therapies of EBV positive gastric cancer.

"12-0259 was used in Flow cytometry/Cell sorting to study PD-1/PD-L1-mediated immune tolerance of Epstein-Barr virus-associated gastric cancer and provide a new strategy to break the tolerance for the T cell-based adoptive therapy."

Authors: Su S,Zou Z,Chen F,Ding N,Du J,Shao J,Li L,Fu Y,Hu B,Yang Y,Sha H,Meng F,Wei J,Huang X,Liu B

Species
Human

Dilution
Not Cited

Year
2020

International journal of nanomedicine

Functionalization-dependent effects of cellulose nanofibrils on tolerogenic mechanisms of human dendritic cells.

"12-0259 was used in Flow cytometry/Cell sorting to investigate how differentially functionalised cellulose nanofibrils affect dendritic cell properties, their viability, morphology, differentiation and maturation potential, and the capacity to regulate T cell-mediated immune response."

Authors: Tomi S,Ili N,Kokol V,Gruden-Movsesijan A,Mihajlovi D,Beki M,Sofroni-Milosavljevi L,oli M,Vuevi 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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