

CD25 Monoclonal Antibody (BC96), NovaFluor™ Red 700, eBioscience™

Product Details

Size	100 Tests
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	BC96
Conjugate	NovaFluor™ Red 700
Excitation/Emission Max	637/701 nm
Form	Liquid
Concentration	0.1 µg/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2926005

Applications

Tested Dilution

Publications

Flow Cytometry (Flow)

5 µL (0.1 µg)/test

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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 (0.1 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.

NovaFluor dyes are not compatible with DNA intercalating viability dyes. Do not use viability dyes such as propidium iodide, 7-actinomycin D (7-AAD) and DAPI. Invitrogen LIVE/DEAD Fixable Dead Cell stains are recommended for use with NovaFluor dyes.

Each NovaFluor conjugate or kit is shipped with CellBlox Blocking Buffer. Use this buffer whenever staining with NovaFluor conjugates, including single-color compensation controls using cells. Whenever possible, we recommend adding CellBlox Blocking Buffer to antibody cocktails/master mixes prior to combining with cells. Add 5 µL per sample (regardless of the number of NovaFluors in your panel) to use the antibody cocktail as intended. For single-color controls, use 5 µL of CellBlox Blocking Buffer per 100µL of cell sample containing 10³ to 10⁸ cells.

NovaFluor conjugates are based on Phiton™ technology utilizing novel nucleic acid dye structures that allow for engineered fluorescent signatures with consideration for spillover and spread impacts. [Learn more](#)

Excitation: 639 nm; Emission: 700 nm; Laser: 633-640 nm (Red) Laser

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