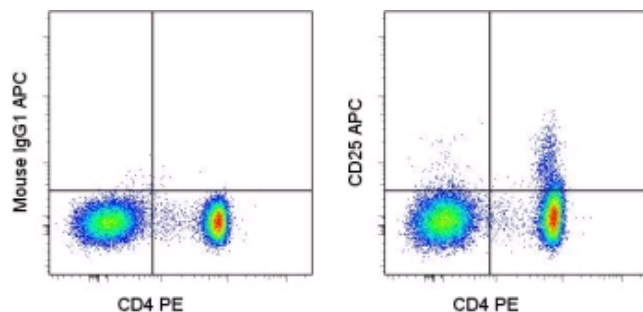


## Anti-Human CD25 APC

Catalog Number: 17-0259

Also Known As: Interleukin-2 Receptor  $\alpha$ , IL-2R $\alpha$ , IL2R $\alpha$

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD4 PE (cat. 12-0049) and Mouse IgG1  $\kappa$  Isotype Control APC (cat. 17-4714) (left) or Anti-Human CD25 APC (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

Contents: Anti-Human CD25 APC

**REF** Catalog Number: 17-0259


Clone: BC96

Concentration: 5  $\mu$ l (0.125  $\mu$ g)/test


Host/Isotype: Mouse IgG1,  $\kappa$

HLDA Workshop: V T-072

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### 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

The 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 human peripheral blood leukocytes. This can be used at 5  $\mu$ l (0.125  $\mu$ g)/per test. A test is defined as the amount ( $\mu$ g)/test of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Schlossman, S., L. Bloumsell, et al. eds. (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

17-4714 Mouse IgG1 K Isotype Control APC

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