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## Anti-Human CD25 Alexa Fluor<sup>®</sup> 488

**Catalog Number:** 53-0259

**Also known as:** Interleukin-2 Receptor alpha, IL-2Ra, IL2Ra

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

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### Product Information

**Contents:** Anti-Human CD25 Alexa Fluor<sup>®</sup> 488



**Catalog Number:** 53-0259

**Clone:** BC96

**Concentration:** 5 uL (0.125 ug)/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.



**Batch Code:** Refer to vial



**Use By:** Refer to vial



**Caution, contains Azide**

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### 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 human PBMC. 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.

When staining for CD25 (with emission at 518nm) it is recommended to use Alexa Fluor 488 conjugated antibodies, rather than FITC for optimal detection.

### References

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

### Related Products

53-4714 Mouse IgG1 K Isotype Control Alexa Fluor<sup>®</sup> 488 (P3.6.2.8.1)

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