

## IL2 Receptor alpha antibody [BC96]

**Cat. No. GTX01471**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	FCM
<b>Reactivity</b>	Human, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey

References ( 6 )

Package

100 µg

## PRODUCT

## Summary

The BC96 antibody is specific for human CD25, a 55 kDa surface protein also known as the Interleukin-2 Receptor alpha chain, or IL-2R alpha. CD25 may bind IL-2 by itself, although with low affinity and without induction of cell signaling. CD25 is also expressed within a high-affinity complex, along with the IL-2R beta chain (CD122) and the common gamma chain (CD132), to form a signaling receptor complex. Signaling via CD25 may modulate Th17 and Treg cell differentiation, and has been shown to play a role in the function of dendritic cells. The BC96 antibody may be used as a marker for expression of CD25 during T and B cell development, on activated mature T and B cells, and for its expression at high levels on natural T regulatory cells (nTreg cells) in the thymus or periphery, and on "induced" peripheral Tregs. This antibody is cross-reactive with CD25 in several non-human species, including Baboon, Chimpanzee, Cynomolgus and Rhesus.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	Assay dependent

Not tested in other applications.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl
<b>Preservative</b>	0.09% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
<b>Concentration</b>	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Purification</b>	Purified by affinity chromatography From tissue culture supernatant
<b>Purity</b>	> 90% (determined by SDS-PAGE)
<b>Conjugation</b>	Unconjugated



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