

## Summary

<b>Production Name</b>	CD122 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	FC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	CD122
<b>Alternative Names</b>	IL2RB; IL15RB; P70-75
<b>Gene ID</b>	3560.0
<b>SwissProt ID</b>	P14784.Purified recombinant fragment of human CD122 (AA: extra 27-240) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	61kDa

## Background

**Product Name: CD122 Mouse Monoclonal Antibody**  
**Catalog #: AMM82016**

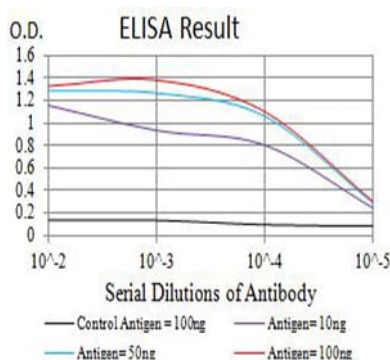


The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein. The use of alternative promoters results in multiple transcript variants encoding the same protein. The protein is primarily expressed in the hematopoietic system. The use by some variants of an alternate promoter in an upstream long terminal repeat (LTR) results in placenta-specific expression.

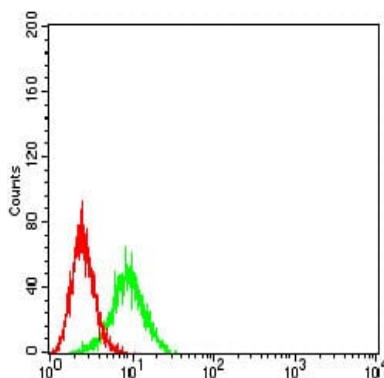
## Research Area

TGF-beta signaling pathway, PI3K-Akt signaling pathway, Jak-STAT signaling pathway

## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Flow cytometric analysis of Ramos cells using CD122 mouse mAb (green) and negative control (red).

## Note

For research use only.

**Product Name: CD122 Mouse Monoclonal Antibody**  
**Catalog #: AMM82016**

---

