

## Technical Data Sheet

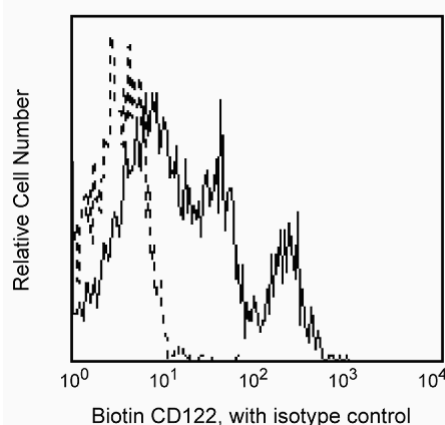
## Biotin Mouse Anti-Human CD122

## Product Information

<b>Material Number:</b>	554524
<b>Alternate Name:</b>	IL-2 Receptor $\beta$ chain, p75
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	Mik- $\beta$ 3
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Human
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The Mik- $\beta$ 3 clone reacts with CD122, the p75 ( $\beta$  chain) of the human high affinity receptor for interleukin 2 (IL-2R $\beta$ ), a 70-75 kD type I transmembrane protein expressed on mature T- and pre-B-cell subsets, thymocytes, monocytes, hematopoietic progenitor cells, fetal liver cells and stromal cells. The IL-2R $\beta$  plays a role in B-cell proliferation, T-cell proliferation and activation.



Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

## Application Notes

## Application

Flow cytometry	Routinely Tested
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## Recommended Assay Procedure:

This antibody has also been reported to precipitate from YTS cell lysates a 90,000 kDa complex (IL-2 + p75). This antibody has been reported not to block IL-2 binding to the  $\beta$  chain of the IL-2 receptor. Please note that these applications are not routinely tested at BD Biosciences Pharmingen.

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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