

Monoclonal Antibody IOTest[®] CD122-PE

PN IM1978- 100 tests – Liquid - 20 µL/test - Clone CF1

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY

The high affinity IL-2 receptor is a multicomplex molecule consisting of α -, β -, and γ subunits (1).

CF1 monoclonal antibody reacts with an external epitope of the human IL-2R β chain/p75 (2).

It is a non-blocking antibody since it does not inhibit IL-2 binding (3).

This CF1 antibody has been assigned to the CD122 cluster of differentiation at the Vth International Workshop on Human Leukocyte Differentiation Antigens in Boston, 1993 (4).

REAGENT

IOTest CD122-PE Monoclonal Antibody
PN IM1978 - 100 tests - Liquid - 20µL/test

Clone	CF1
Isotype	IgG1, Mouse
Immunogen	Murine thymoma transfected with human IL-2R β /p75
Hybridoma Source	Myeloma Sp2/O X AKR spleen cells Ascites fluid
Purification	Protein A affinity chromatography
Conjugation	R Phycoerythrin (PE)
Molar Ratio	PE / Ig : 0.5 - 1.5
Fluorescence	Excites at 486-509 nm Emits at 568-590 nm

REAGENT CONTENTS

This antibody is provided in phosphate-buffered saline, containing 0.1% sodium azide and 2 mg/mL bovine serum albumin.

APPLICATION

Flow cytometry.

STATEMENTS OF WARNING

1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.

2. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
4. Do not use antibody beyond the expiration date on the label.
5. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.

REAGENT PREPARATION

No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

PROCEDURE

This reagent is designed for Flow Cytometry. Assay volume: 20 µL per 5 x 10⁵ cells in one test, or per 100 µL whole blood.

SELECTED RESEARCH REFERENCES

1. Waldmann, T.A., "The multi-subunit interleukin-2 receptor", 1989, *Annu. Rev. Biochem.*, 58, 875-911.
2. François, C., Sorel, M., Cherel, M., Brailly, H., Minvielle, S., Blanchard, D., Jacques, Y., "Immunological characterization of antigenic domains on human IL-2 receptor beta subunit: epitope-function relationships", 1995, *Int. Immunol.*, 7, (8), 1173-1181.
3. Tanaka, T., Kitamura, F., Suwa, H., Miyasaka, M., "Characterization of anti-IL-2R β mAb and definition of three epitopes on the IL-2R β molecule", 1995. In *Leucocyte Typing V*, Schlossman S.F. et al., Eds., Oxford University Press, pp 1905-1907.

4. Kitutani, H., Kishimoto, T., "The cytokine receptors; section report", 1995. In *Leucocyte Typing V*, Schlossman S.F. et al., Eds., Oxford University Press, pp 1855-1864.

TRADEMARKS

Beckman Coulter, the Beckman Coulter logo, COULTER and IOTest are registered trademarks of Beckman Coulter, Inc.

MANUFACTURED BY:

IMMUNOTECH SAS
A Beckman Coulter Company
130, avenue de Lattre de Tassigny
B.P. 177 - 13276 Marseille Cedex 9
France

For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

Printed in France.

Made in France.

©2008 Beckman Coulter, Inc.
All Rights Reserved