

Monoclonal Antibody CD25

PN IM0317 – Purified – Freeze-dried – 0.2 mg – Clone 33B3.1

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

SPECIFICITY

The CD25 (IL-2R1, Tac or p55) antigen is a single-chain glycoprotein with a molecular weight of 55 kDa which is the low affinity receptor for IL-2 (IL-2R α). In conjunction with CD122 (IL-2R β , p75) and CD132 (IL-2R γ , p64), CD25 antigen forms the high-affinity IL-2R complex. CD25 antigen is found on activated T and B cells, on activated macrophages and on T cell clones. It is also expressed on NK cells enriched from peripheral blood lymphocytes by culturing in the presence of IL-2. It is absent from thymocytes and resting T and B lymphocytes.

33B3.1 monoclonal antibody inhibits IL-2 driven cell proliferation (1). In lymphoid tissues, 33B3.1 stains scattered large and small lymphocytes in germinal center, in the follicle mantle and the T-zone. It also weakly reacts with macrophages. In the thymus, 33B3.1 stains cells in the medulla.

The 33B3.1 mAb has been assigned to the CD25 cluster of differentiation at the third International Workshop on Human Leucocyte Differentiation Antigens held in Oxford, UK, in 1986 (2).

REAGENT

Monoclonal Antibody CD25
PN IM0317 – Purified – Freeze-dried – 0.2 mg

Clone	33B3.1
Isotype	IgG2a, rat
Immunogen	Stimulated blast with PHA during 4 days
Hybridoma	P3-X63-Ag.8.653 x rat spleen cells
Source	Ascites fluid
Purification	Ion exchange chromatography
Buffer	1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION

Studies of CD25 positive cells by flow cytometry.

STATEMENT OF WARNINGS

1. 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.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use antibody beyond the expiration date on the label.
4. Do not expose reagents to strong light during storage or incubation.
5. Avoid microbial contamination of reagents or incorrect results might occur.

STORAGE CONDITIONS AND STABILITY

This freeze-dried form may be stored at 2 – 8°C until the expiration date stated on the vial label.

No preservative has been added.

REAGENT PREPARATION

Depending of usage, reconstitute with 1 mL of distilled water, with or without 0.1% sodium azide (w/v).

The reconstituted form including 0.1% sodium azide may be stored for up to one month at 2 – 8°C.

The reconstituted form without sodium azide can be stored at –20°C or less, until the expiration date stated on the vial label.

In this case, aliquotting is recommended to avoid multiple freezing / thawing cycles.

PROCEDURE

For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

SELECTED RESEARCH REFERENCES

1. Olive, D., Raymond, J., Dubreuil, P., Charnot, D., Jacques, Y., Mawas, C., " Interleukin II receptor monoclonal antibodies: respective role of epitope mapping monoclonal antibodies. Receptors interaction in their antagonist effects on IL2 dependance growth factor", 1986, *Europ J. Immunol.*, 10, 611-616.
2. Nelson, D.L., Crisman, J., Casabo, L., "Analysis of CD25 antibodies by inhibition of soluble interleukin-2 receptor measurement by ELISA", 1987, *Leucocyte Typing III, White Cell Differentiation Antigens*, Mc Michael, A.J., et al., Eds., Oxford University Press, 539-541.

PRODUCT AVAILABILITY

Monoclonal Antibody CD25
PN IM0317 – Purified – Freeze-dried – 0.2 mg

TRADEMARKS

Beckman Coulter and the Beckman Coulter logo are trademarks of Beckman Coulter, Inc.

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

Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

Manufactured by:
Immunotech, a Beckman Coulter Company
130, avenue de Lattre de Tassigny, B.P. 177
13276 Marseille Cedex 9, France

©2005 Beckman Coulter, Inc.
All Rights Reserved