

Monoclonal Antibody CD1c

PN IM0789 – Purified – Freeze-dried – 0.2 mg – Clone L161

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

SPECIFICITY

The CD1c antigen is a glycoprotein with a molecular weight of 43 kDa expressed in association with β 2-microglobulin (1, 2).

It is found on cortical thymocytes (weakly), Langerhans cells, dendritic cells and a subset of B cells, early during ontogeny.

The L161 monoclonal antibody has been assigned to the CD1c cluster of differentiation at the third International Workshop on Human Leucocyte Differentiation Antigens held in Oxford, UK, in 1986 (3).

REAGENT

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Clone	L161
Isotype	IgG1, mouse
Immunogen	Thymus cells
Hybridoma	NS1 x Biozzi spleen cells
Source	Ascites fluid
Purification	Ion exchange or affinity chromatography
Buffer	1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION

Studies of CD1c 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. Avoid microbial contamination of reagents or incorrect results might occur.
5. Use good laboratory practices when handling this reagent.

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. Amiot, M., Bernard, A., Raynal, B., Knapp, W., Deschildre, C., and Boumsell, L., 1986, *J. Immunol.*, 136, 1752-1758.
2. Amiot, M., Dastot, H., Schmid, M., Bernard, A., and Boumsell, L., 1987, *Blood*, 70, No. 3, 676-685.
3. Boumsell, L., Knowles, R., "Summary of the T1 workshop", 1987, *Leucocyte Typing III, White Cell Differentiation Antigens*, Mc Michael, A.J., et al., Eds., Oxford University Press, 71-72.

PRODUCT AVAILABILITY

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

Outside the USA, contact your local Beckman Coulter representative.

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