

Monoclonal Antibody CD44

PN IM0845 – Purified – Freeze-dried – 0.2 mg – Clone J.173

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

SPECIFICITY

The CD44 antigens are transmembrane glycoproteins and members of the hyaladherin family of hyaluronan-binding proteins. Multiple CD44 isoforms have been described, the predominant form being CD44S, a glycoprotein of 85 kDa. CD44 is present on most cells or tissues, but not on platelets, hepatocytes, cardiac muscle, kidney tubular epithelium, testis and skin portions. The human blood group antigens Ina/b reside on CD44.

J.173 antibody does not inhibit the binding of hyaluronate to its receptor (1). It can trigger IL-2-dependent proliferation and cytotoxicity of human T cell clones in vitro.

REAGENT

Monoclonal Antibody CD44
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Clone	J.173
Isotype	IgG1, mouse
Immunogen	LAZ 221 ALL
Hybridoma	NS1 x Balb/c
Source	Ascites fluid
Purification	Ion exchange or affinity chromatography
Buffer	1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION

Studies of CD44 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. Culty, M., Miyake, K., Kincade, P.W., Silorski, E., Butcher, E.C., and Underhill, C. "The hyaluronate receptor is a member of the CD44 (H-CAM) family of cell surface glycoproteins". 1990, J. Cell. Biol., 3, 2765-2774.

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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