

Monoclonal Antibody CD30

PN IM0705 – Purified – Freeze-dried – 0.2 mg – Clone HRS-4

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

SPECIFICITY

The CD30 antigen is a single-chain glycoprotein with a molecular weight of 105 kDa (Ki-1 antigen). It is a member of the TNFR (Tumor Necrosis Factor Receptor) superfamily and binds to CD153 (CD30 ligand). CD30 antigen is found on activated T and B lymphocytes and on Reed Sternberg cells.

On paraffin sections HRS-4 reacts with activated T and B cells at the rim of germinal centers and in interfollicular areas in most lymphoid tissues. Occasionally, plasma cells, immature erythroblasts and megakaryocytes may be stained by HRS-4.

The HRS-4 monoclonal antibody has been assigned to the CD30 cluster of differentiation during the fifth International Workshop on Human Leucocyte Differentiation Antigens held in Boston, USA in 1993 (2).

REAGENT

Monoclonal Antibody CD30

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Clone HRS-4

Isotype IgG1, mouse

Immunogen Hodgkin's derived cell line L540

Hybridoma P3-X63-Ag.8.653 x Balb/c spleen cells

Source Ascites fluid

Purification Protein A affinity chromatography

Buffer 1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION

Studies of CD30 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. Morimoto, C., "Activation antigens : section report", 1995, in Leucocyte Typing V, White Cell Differentiation Antigens, Schlossman, S.F., et al., Eds., Oxford University Press, 1097-1104.
2. Dürkop, H., Latza, U., Stein H., "Overview of CD30", 1995, in Leucocyte Typing V, White Cell Differentiation Antigens Schlossman, S.F., et al., Eds., Oxford University Press, 1115-1116.

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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