

Monoclonal Antibody Anti-Mouse CD3

PN IM2767 – Liquid – 0.25 mg – Clone KT3

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

SPECIFICITY

KT3 specifically recognises the TcR/T3 complex which is expressed by mature T cells (1, 2).

REAGENT

Monoclonal Antibody Anti-Mouse CD3
PN IM2767 – Liquid – 0.25 mg

Clone KT3
Isotype IgG2a
Species Rat
Purification Purified IgG

REAGENT CONTENTS

This antibody is provided in phosphate-buffered saline pH 7.4, containing sodium azide.

Please contact Customer Support for additional information.

INTENDED USE

The monoclonal antibody KT3 activates spleen cells to proliferate in the absence and activates thymocytes to proliferate in the presence of phorbol myristate acetate (2). KT3 can trigger proliferation and cytotoxic activity of CD3 positive cells.

STATEMENT OF WARNINGS

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 reagent beyond the expiration date on the vial label.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use general good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date on the vial label when stored at 2 – 8°C. Minimize exposure to light and warmth.

REAGENT PREPARATION

No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 20 - 25 °C prior to use.

PROCEDURE

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

Flow Cytometry: suggested working dilution 1:100

Use 10 µL of the suggested working dilution to stain 1×10^6 cells or 100 µL of whole blood.

SELECTED RESEARCH REFERENCES

1. Tomonari, K., Lovering, E., "T-Cell receptor-specific monoclonal antibodies against a Vβ11 positive mouse T-Cell clone", 1988, Immunogenetics, 28, 445-451.
2. Tomonari, K., "A rat antibody against a structure functionally related to the mouse T-cell receptor/T3 complex", 1988, Immunogenetics, 28, 455-458

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

Outside the USA, contact your local Beckman Coulter representative.

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