

Monoclonal Antibody Anti-Mouse CD3-Biotin

PN IM2770 – Liquid 1 mL – 10 µL / test – Clone KT3

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

SPECIFICITY

The monoclonal antibody (mAb) KT3 recognizes the mouse TcR/CD3 complex which is expressed by mature T cells (1, 2).

REAGENT

Conjugated Monoclonal Antibody Anti-Mouse CD3-Biotin
PN IM2770 – liquid 1 mL – 10 µL / test

Clone	KT3
Isotype	IgG2a
Species	Rat
Source	culture supernatant
Purification	Affinity chromatography on Protein G

REAGENT CONTENTS

This reagent is provided in phosphate-buffered saline (PBS) pH 7.4, containing bovine serum albumin and sodium azide.

Please contact Customer Support for additional information.

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 antibody beyond the expiration date on the label.
5. Avoid microbial contamination of reagents or incorrect results might occur.
6. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

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

CONJUGATION

The purified Ig is conjugated to biotin. Revelation procedure requires streptavidin conjugated with a probe as an additional step after binding of the primary antibody.

REAGENT PREPARATION

No preparation is necessary. This biotinylated antibody is used directly from the vial. Bring reagent to 18 – 25°C prior to use.

PROCEDURE

Flow Cytometry: 10 µL is the maximum amount of reagent required for 10⁶ cells. For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

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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