IOTest CD8β-FITC
PN B42025 – 1 mL – Liquid – Clone 2ST8.5H7

Analyte Specific Reagent.
Analytical and performance characteristics are not established

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SPECIFICITY
CD8 is an heterodimer composed of two polypeptide chains α and β with molecular weight of 32-34 kDa each. They form homodimeric (CD8αα) or heterodimeric (CD8αβ) cell surface complexes (1). Most of human peripheral T cells express CD8 as an αβ heterodimer. NK cells and a proportion of TCRγδ T cells express CD8 as an αα homodimer (1). CD8β surface expression requires the surface expression of CD8α. Consequently, CD8α can form homodimer but CD8β cannot (1-3). The 2ST8.5H7 monoclonal antibody recognizes an epitope formed by the combination of the α and β chains. It has been studied at the 5th International Workshop on Human Leucocyte Differentiation Antigens in Boston, U.S.A., in 1993 (3, 4).

REAGENT CONTENTS

PRECAUTIONS
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 considered potentially infectious 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. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.
8. Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

STORAGE AND HANDLING CONDITIONS
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze. No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

SELECTED RESEARCH REFERENCES

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