

# IOTest Anti-TCR-Vβ7.2-FITC

PN B06666 – 1 mL – Liquid – 20 µL/test – Clone ZIZOU4

## Analyte Specific Reagent.

Analytical and performance characteristics are not established.

### SPECIFICITY

Human variable β7.2 chain of the T-cell receptor (Vβ7.2) is also called TCRBV7S2, according to the nomenclature from Wei et al. (1).

The monoclonal antibody Zizou4 recognizes the human TCR Vβ7.2 allele product (BV7S2 cDNA, in ref. 2). A genetically-determined insertion / deletion-related polymorphism in the TCRB locus, including the functional Vβ7.2 variable gene segment, has been described (2). Consequently, the expression of the Vβ7.2 allele product may be negative for some individuals (Vβ7.2 deleted / Vβ7.2 deleted haplotypes).

### REAGENT

IOTest Anti-TCR-Vβ7.2-FITC  
Conjugated antibody  
PN B06666 - 1 mL - Liquid - 20 µL/test

<b>Clone</b>	ZIZOU4
<b>Isotype</b>	IgG2a, Mouse
<b>Immunogen</b>	Tranfectant Vbeta 7.2
<b>Hybridoma</b>	X63 x balb/c
<b>Source</b>	Ascites fluid or supernatant of in vitro cultured hybridoma cells.
<b>Purification</b>	Affinity chromatography
<b>Conjugation</b>	Fluorescein isothiocyanate (FITC)
<b>Molar Ratio</b>	FITC / Ig : 4 - 7
<b>Fluorescence</b>	Excites at 488 nm Emits at 525 nm

### REAGENT CONTENTS

This antibody is provided in phosphate-buffered saline, containing 0.1% sodium azide and 2 mg/mL bovine serum albumin.

### STATEMENTS OF WARNING

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.

### STORAGE AND HANDLING CONDITIONS AND STABILITY

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

1. Wei, S., Charmley, P., Robinson, M.A., Concannon, P., "The extent of the human germline T-cell receptor Vβ gene segment repertoire", 1994, Immunogenetics, 40, 27-36

2. Zhao, T.M., Whitaker, S.E., Robinson, M.A., "A genetically determined insertion / deletion related polymorphism in human T cell receptor β chain (TCRB) includes functional variable gene segments", 1994, J. Exp. Med., 180, 1405-1414

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