Analyte Specific Reagent.
Analytical and performance characteristics are not established.

SPECIFICITY
Human variable β3 chain of the T-cell receptor, called TCRBV3S1 according to the nomenclature from Wei et al (1) and also referred to as TRBV28 (based on the IMGT gene nomenclature) (2, 3). The CH92 monoclonal antibody (mAb) recognizes the only member Vβ3 sequence (PLA.4 or HBVT22) (4-6) of this family. It should be noted that the level of human Vβ3 expression correlates with allelic polymorphism in the spacer region of the recombination signal sequence (7).

This antibody has been characterized by cell sorting on PBMC followed by molecular analysis of the sorted cells (8). The specificity of this antibody has been confirmed at the first Human TcR monoclonal Antibody Workshop in San Francisco in 1995 (9).

REAGENT CONTENTS
PN IM2372 – 1 mL – Liquid – 20 µL/test – Clone CH92

REAGENT
IOTest Anti-TCR Vβ3 -FITC
Conjugated antibody
PN IM2372 – 1 mL – Liquid – 20 µL/test

Clone
CH92

Isotype
IgM, Mouse

Immunogen
Human T-cell clone A2

Hybridoma
NS1 x balb/c

Source
Ascites fluid or supernatant of in vitro cultured hybridoma cells.

Purification
Gel filtration

Conjugation
Fluorescein isothiocyanate (FITC)

Molar Ratio
FITC / Ig : 7 - 19

Fluorescence
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
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.

Do not reconstitute is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

SELECTED RESEARCH REFERENCES