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

**SPECIFICITY**
Human variable β22 of human T-cell receptor also called TRBV22S1 according to the nomenclature from Wei et al (1). This sequence is also referred to as TRBV2 (based on the IMGT gene nomenclature) (2, 3). Vβ22 is a subfamily of the T cell receptor. The IMMU 546 antibody recognizes the IGβ03 sequence (4). Another gene has been described for this family which differs by only one amino acid and may represent an allelic variant (5). Recognition of this sequence is likely but has not been formally proven yet. The specificity of this antibody has been confirmed at the first Human TcR Monoclonal Antibody Workshop in San Francisco in 1995 (6).

**REAGENT**
IOTest Anti-TCR Vβ22-FITC
Conjugated antibody
PN IM1484 - 1 mL - Liquid - 20 µL/test

**Clone**
IMMU 546

**Isotype**
IgG1, Mouse

**Immunogen**
Murine T-cell hybridoma transfected with human Vβ22 gene segment X63 x balb/c

**Hybridoma**
Ascites fluid or supernatant of in vitro cultured hybridoma cells.

**Source**
Affinity chromatography

**Purification**
Fluorescin isothiocyanate (FITC)

**Conjugation**
FITC / Ig : 4 - 7

**Molar Ratio**
Excites at 488 nm

**Fluorescence**
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 acidic 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**

**TRADEMARKS**
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