IOTest Anti-TCR Vγ9-PC5

PN A63663 – 0.5 mL – Liquid – Clone IMMU360

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

SPECIFICITY

Vγ9 is the only functional member of the group II γ variable genes (1) of the γ/δ T cell receptor. Therefore, Vγ9 positive cells are the major population of circulating γδ T cells. Vγ9 is mainly associated with Vδ2.
The combination Vγ9–Vδ2 γ/δ T cells seems to recognize mycobacterial antigens (2-6).
This sequence is also referred to as TRGV9 (based on the IMGT gene nomenclature)
(7, 8).

REAGENT

IOTest Anti-TCR Vγ9-PC5
Conjugated Antibody
PN A63663 - 0.5 mL - Liquid

Clone	IMMU360
Isotype	IgG1, Mouse
Immunogen	Soluble γ/δ T-cell receptor
Hybridoma	X63 x balb/c
Source	Ascites fluid or supernatant of in vitro cultured hybridoma cells.
Purification	Affinity chromatography
Conjugation	R Phycoerythrin-Cyanine 5.1 (PC5)
Molar Ratio	PC5 / Ig : 0.5 - 1.5
Fluorescence	Excites at 488 nm Emits at 670 nm

REAGENT CONTENTS

This antibody is provided in phosphate-buffered saline, containing 0.1% sodium azide and 2 mg/mL bovine serum albumin.
Concentration: See lot specific Certificate of Analysis at www.beckmancoulter.com.

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.
8. Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

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.

PRECAUTIONS

Due to the tandem structure of the fluorochrome, PC5 also emits light at 575 nm. This secondary emission peak varies from lot-to-lot of PC5. Therefore, for multi-color analysis, the compensation matrix should be carefully checked when changing the lot of a PC5-conjugate.

SELECTED RESEARCH REFERENCES

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TRADEMARKS

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