

IO Test Conjugated Antibody CD203c-PC7

	Specifications
Specificity	CD203c
Clone	97A6
Hybridoma	SP2/0 x balb/c
Immunogen	UT-7 megakaryoblast cell line
Isotype	IgG1
Species	Mouse
Purification	Affinity Chromatography
Fluorochrome	R Phycoerythrin-cyanine 7 (PC7)
Molar ratio	PC7 / Ig: 0.5 - 1.5
λ excitation	488 nm
Emission Peak	770 nm
Buffer	PBS pH 7.2 plus 2 mg / mL BSA and 0.1% NaN ₃

REF A66906 Liquid - 1 mL

Analyte Specific Reagent.

Analytical and performance characteristics are not established

REAGENTS

Concentration: See lot specific Certificate of Analysis at www.beckmancoulter.com.

WARNING AND 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.

GHS HAZARD CLASSIFICATION

Not classified as hazardous

SDS

Safety Data Sheet is available at
beckman.com/techdocs

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.

CONTENTS

Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

SPECIFICITY

The CD203c molecule is a type II transmembrane protein that belongs to the ecto-nucleotide pyrophosphatase / phosphodiesterase 3 (E-NPP3) (1) family of enzymes involved in hydrolysis of oligonucleotides, nucleoside phosphates, and NAD. The CD203c molecule is expressed on human peripheral blood basophils, but not on other blood cells (2). The 97A6 mAb was assigned to the CD203c cluster of differentiation at the 7th HLDA Workshop on Human Leucocyte Differentiation Antigens in Harrogate, England, in 2000 (3).

LIMITATIONS

Due to the tandem structure of the fluorochrome, PC7 also emits light at 575 nm. This secondary emission peak varies from lot-to-lot of PC7. Therefore, for multi-color analysis, the compensation matrix should be carefully checked when changing the lot of a PC7 -conjugate.

TRADEMARKS

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ADDITIONAL INFORMATION

For additional information, or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

Symbols Key

Glossary of Symbols is available at beckman.com/techdocs (document number B60062)

REFERENCES

1. Ebo DG, Hagendorens MM, Bridts CH, et al. The basophil activation test in immediate drug allergy. *Acta Clin Belg.* 2009 Mar-Apr;64(2):129-35.
2. H.J. Bühring, P.J. Simmons, M. Pudney, R. Müller, D. Jarrossay, A. van Agthoven, M. Willheim, W. Brugger, P. Valent and L. Kanz, "The monoclonal antibody 97A6 defines a novel surface antigen expressed on human basophils and their multipotent and unipotent progenitors", 1999, *Blood*, 7, 94, 2343-2356.
3. Bühring, H.J., "E-NPP3 (CD203c)", 2000, PROW and IWLDA on the Web.



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