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

SPECIFICITY
CD235a, also known as Glycophorin A, is a sialoglycoprotein expressed on the surface of erythroblastic precursor cells (from the pro-erythroblast stage) of reticulocytes and mature red blood cells (1 – 3).

The monoclonal antibody 11E4B-7-6 (KC16) reacts with the 27-39 terminal N amino acid sequence of Glycophorin A and does not recognize Glycophorin B (3).

It was assigned to CD235a during the 7th HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Harrogate, England, in 2000 (WS Code : 70359, Section: Red Cells) (4).

REAGENT
IOTest CD235a-APC-Alexa Fluor 750
Conjugated antibody
PN A89314 - 0.5 mL - Liquid - 10 µL/test*

Clone 11E4B-7-6 (KC16)

Isotype IgG1, Mouse

Immunogen Human red blood cells

Hybridoma NS1 x balb/c

Source Ascites fluid

Purification Affinity chromatography

Conjugation Allophycocyanin-Alexa Fluor 750 (APC-Alexa Fluor 750)

Molar Ratio APC-Alexa Fluor 750 / Ig : 0.5 - 1.5

Fluorescence Excites at 633/638 nm

Emits at 775 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 CONDITIONS AND STABILITY
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.

REAGENT PREPARATION
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, APC-Alexa Fluor 750 also emits light at 660 nm. This secondary emission peak varies from lot-to-lot of APC-Alexa Fluor 750. Therefore, for multi-color analysis, the compensation matrix should be carefully checked when changing the lot of a APC-Alexa Fluor 750-conjugate.

TRADEMARKS
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Alexa Fluor is a registered trademark of Molecular Probes, Inc.

SELECTED RESEARCH REFERENCES


MANUFACTURED BY :
IMMUNOTECH SAS
a Beckman Coulter Company
130, avenue de Lattre de Tassigny
B.P. 177 - 13278 Marseille Cedex 9
France

For additional information in the USA, call 800-526-7694.
Outside the USA, contact your local Beckman Coulter representative.

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