Analyte 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-FITC Conjugated Antibody
PN IM2212U – 2 mL Liquid – 20 µL / test*.
Clone 11E4B-7-6
Isotype IgG1, mouse
Immunogen Human red blood cells
Hybridoma NS/1-Ag4 x Balb/cJ
Source Ascites fluid
Purification Ion exchange or affinity chromatography
Conjugation FITC (Fluorescein isothiocyanate) is conjugated at 3 – 5 moles of FITC per mole of Ig. FITC (Green) Excites at 468 – 509 nm Emits at 504 – 541 nm
Fluorescence

REAGENT CONTENTS
This reagent is provided in phosphate-buffered saline, with 0.1% sodium azide (NaN₃) as preservative, and 2.0 mg / mL bovine serum albumin (BSA).

STATEMENT OF WARNINGS
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. Do not use antibody beyond the expiration date on the label.
3. Samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
4. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
5. Minimize exposure of reagent to 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.

EVIDENCE OF DETERIORATION
Any change in the physical appearance of this FITC-labeled reagent (clear, colorless to yellowish-green liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

REAGENT PREPARATION
No preparation is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

SELECTED RESEARCH REFERENCES

PRODUCT AVAILABILITY
IOTest CD235a-FITC Conjugated Antibody
PN IM2212U – 2 mL Liquid – 20 µL / test*.
For additional information in the USA, call 800-526-7694.
Outside the USA, contact your local Beckman Coulter representative.
www.beckmancoulter.com

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