

### Analyte Specific Reagent.

Analytical and performance characteristics are not established.

#### SPECIFICITY

The CD36 antigen is a generic term for a family of glycoproteins with molecular weights ranging from 78 to 88 kDa (1). CD36 expression occurs in different types of cells, including mammary epithelial cells, monocytes, macrophages, platelets, megakaryocytes and early erythroid cells.

The FA6-152 monoclonal antibody (mAb), raised against fetal erythrocytes (2), has been shown to recognize the CD36 family of antigens in platelets and certain hematopoietic cells (1). It does not react with lymphocytes or granulocytes. It reacts with both fetal and adult monocytes, megakaryocytes, platelets, and with reticulocytes.

The FA6.152 mAb has been assigned to the CD36 cluster of differentiation during the 5th International Workshop on Human Leucocyte Differentiation Antigens in Boston, USA, in 1993 (1).

#### REAGENT

IOTest CD36-APC Conjugated antibody  
PN A87786 - 0.5 mL - Liquid - 10 µL/test

<b>Clone</b>	FA6.152
<b>Isotype</b>	IgG1, Mouse
<b>Immunogen</b>	Fetal erythrocytes
<b>Hybridoma</b>	X63 x balb/c
<b>Source</b>	Ascites fluid or supernatant of in vitro cultured hybridoma cells.
<b>Purification</b>	Affinity chromatography
<b>Conjugation</b>	Allophycocyanin (APC)
<b>Molar Ratio</b>	APC / Ig : 0.5 - 1.5
<b>Fluorescence</b>	Excites at 633/638 nm Emits at 660 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 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

1. Silverstein, R.L., La Salla, J., Pearce, S.F., "CD36 cluster workshop report", 1995, Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman, S.F., et al., Eds., Oxford University Press, 1269-1271.
2. Edelman, P., Vinci, G., Villeval, J.L., Vainchenker, W., Henri, A., Miglierina, R., Rouger, P., Reviron, J., Breton Gorius, J., Sureau, C., Edelman, L., "A monoclonal antibody against an erythrocyte ontogenic antigen identifies fetal and adult erythroid progenitors", 1986, Blood, 1, 67, 56-63.

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