

IO Test Conjugated Antibody CD36-Pacific Blue

	Specifications
Specificity	CD36
Clone	FA6.152
Hybridoma	X63 x balb/c
Immunogen	Fetal erythrocytes
Isotype	IgG1
Species	Mouse
Purification	Affinity Chromatography
Fluorochrome	Pacific Blue
Molar ratio	Pacific Blue / Ig: 6 - 8
λ excitation	405 nm
Emission Peak	455 nm
Buffer	PBS pH 7.2 plus 2 mg / mL BSA and 0.1% NaN ₃

REF B43302 Liquid - 0.5 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
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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.

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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

CD36 is scavenger receptor with numerous physiologic functions, also known as platelet GPIV or GPIIb platelet glycoprotein IV. The crystal structure of CD36 shows the existence of a large cavity that traverses the entire length of the molecule. The cavity serves as a tunnel through which cholesterol (esters) are delivered from the bound lipoprotein to the outer leaflet of the plasma membrane (1,2). 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 (3).

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. Abumrad NA, el-Maghrabi MA, Amri EZ, et al. Cloning of a rat adipocyte membrane protein implicated in binding or transport of long-chain fatty acids that is induced during preadipocyte differentiation. Homology with human CD36.
2. Dante Neculai, Michael Schwake, Mani Ravichandran. Structure of LIMP-2 provides functional insights with implications for SR-BI and CD36. 504, 172-176 2013.
3. Silverstein, R.L., La Salla, J., Pearce, S.F., "CD36 cluster workshop report", 1995, Leucocyte Typing V, White Cell Differentiation Antigens, Schlossman, et al., Eds., Oxford University Press, 1269-1271.



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