

Monoclonal Antibody CD36

PN IM0765 – Purified – Freeze-dried – 0.2 mg – Clone FA6-152

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY

The CD36 antigen (platelet GPIV) is a generic term for a family of glycoproteins with molecular weights ranging from 78 to 88 kDa. This molecule is found on platelets, endothelial cells, monocytes, and some human tumor cell lines. It is a very early marker of erythroid differentiation and mediates the adherence of platelets to thrombospondin and collagen.

The FA6-152 monoclonal antibody (mAb), raised against fetal erythrocytes, recognizes the CD36 family of antigens on platelets and certain hematopoietic cells. 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 at the fifth International Workshop on Human Leucocyte Differentiation Antigens held in Boston, USA, in 1993 (1).

REAGENT

Monoclonal Antibody CD36
PN IM0765 – Purified – Freeze-dried –
0.2 mg

Clone	FA6-152
Isotype	IgG1, mouse
Immunogen	20 week-old human fetal red blood cells
Hybridoma	P3-X63-Ag 8.653 x Balb/c spleen cells
Source	Ascites fluid
Purification	Ion exchange or affinity chromatography
Buffer	1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION

Studies of CD36 positive cells by flow cytometry.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use antibody beyond the expiration date on the label.
4. Avoid microbial contamination of reagents or incorrect results might occur.
5. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This freeze-dried form may be stored at 2 – 8°C until the expiration date stated on the vial label.

No preservative has been added.

REAGENT PREPARATION

Depending of usage, reconstitute with 1 mL of distilled water, with or without 0.1% sodium azide (w/v).

The reconstituted form including 0.1% sodium azide may be stored for up to one month at 2 – 8°C.

The reconstituted form without sodium azide can be stored at –20°C or less, until the expiration date stated on the vial label.

In this case, aliquotting is recommended to avoid multiple freezing / thawing cycles.

PROCEDURE

For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

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, et al., Eds., Oxford University Press, 1269-1271.

PRODUCT AVAILABILITY

Monoclonal Antibody CD36
PN IM0765 – Purified – Freeze-dried –
0.2 mg

For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

TRADEMARKS

Beckman Coulter and the Beckman Coulter logo are trademarks of Beckman Coulter, Inc.

Manufactured by:
Immunotech, a Beckman Coulter Company
130, avenue de Lattre de Tassigny, B.P. 177
13276 Marseille Cedex 9, France

©2005 Beckman Coulter, Inc.
All Rights Reserved