

Monoclonal Antibody CD66b

PN IM0166 – Purified – Freeze-dried – 0.2 mg – Clone 80H3

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

SPECIFICITY

In the current nomenclature, the CD66b antigen is one of the carcinoembryonic antigen (CEA)-gene members (CGMs), namely the CGM6. It is a glycosyl-phosphatidylinositol-anchored glycoprotein with a molecular weight of 95-110 kDa. CD66b exhibits heterotypic adhesion with CD66d. It is strongly expressed by myelocytes, metamyelocytes, neutrophils and polymorphonuclear neutrophils. CD66b is weakly expressed by promyelocytes. 80H3 antibody, as other CD66b, does not react with peripheral lymphocytes and monocytes.

The 80H3 monoclonal antibody has been assigned to the CD 66b cluster of differentiation at the Fifth International Workshop on Human Leucocyte Differentiation Antigens in Boston, USA, in 1993 (1).

REAGENT

Monoclonal Antibody CD66b

PN IM0166 – Purified – Freeze-dried – 0.2 mg

Clone	80H3
Isotype	IgG1
Immunogen	Human leucocytes from individuals with CML
Hybridoma	Myeloma MOPC 315-43 x Balb/c spleen cells
Species	Mouse
Source	ascites fluid
Purification	Protein A affinity chromatography

REAGENT CONTENTS

1 mg/mL bovine serum albumin in phosphate-buffered saline.

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 reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date on the vial label when stored at 2–8°C. The reconstituted form may be stored at –20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2–8°C. Minimize exposure to warmth.

REAGENT PREPARATION

Reconstitute with 1 mL of distilled water. No preservative has been added.

APPLICATIONS

Studies of CD66b positive cells by flow cytometry.
Differentiation marker on cells of myeloid lineage.

Positive selection of normal myeloid cells.

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

SELECTED RESEARCH REFERENCES

1. Keith, M., Skubitz, Micklem, K., Van Der Schoot, E., "CD66 and CD67 cluster workshop report", 1995, Leucocyte Typing V, White Cell Differentiation Antigens, Schlossman S., et al., Eds., Oxford University Press, 889-899.

PRODUCT AVAILABILITY

Monoclonal Antibody CD66b

PN IM0166 – 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