

Analyte Specific Reagent.

Analytical and performance characteristics are not established.

SPECIFICITY

The CD65 antigen is analogous to the carbohydrate structure(s) recognized by CD15 antibodies.

CD65 is a type II chain fucoganglioside involving the oligosaccharide sequence: Gal β 1-4GlcNac β 1-3Gal β 1-4GlcNac(Fuc α 1-3) β 1-R.

Granulocytes express highly the CD65 antigen whereas monocytes are weakly CD65 positive (1, 2).

The 88H7 monoclonal antibody (mAb) was studying during the 4th International Workshop on Human Leucocyte Differentiation Antigens (HLDA) in Vienna, Austria, in 1989 (1).

It was assigned to the CD65 cluster of differentiation at the 6th International HLDA in Kobe, Japan, in 1996 (3).

REAGENT

IOTest CD65-Pacific Blue
Conjugated antibody
PN B08164 - 0.5 mL - Liquid - 10 µL/test

Clone	88H7
Isotype	IgM, Mouse
Immunogen	HL60 promyelocytic cell line
Hybridoma	MOPC 315 x balb/c
Source	Ascites fluid or supernatant of in vitro cultured hybridoma cells.
Purification	Gel filtration chromatography
Conjugation	Pacific Blue (Pacific Blue)
Molar Ratio	Pacific Blue / Ig : 17 - 21
Fluorescence	Excites at 405 nm Emits at 455 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. Stockinger, H., "Cluster report CDw65", 1989, Leucocyte Typing IV, White Cell Differentiation Antigens, W. Knapp, et al., Eds., Oxford University Press, 836-838.
2. Knapp, W., Majdic, O., Blanchard, J.D., Chia, W., Feizi, T., Gyimesi, E., Hirabayashi, Y., Howard, C.J., Kniep, B., Thompson, J.S., Wiels, J., Wijdenes, J., "CDw65 cluster workshop report", 1995, Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman, S.F., et al., Eds., Oxford University Press, 876-882.
3. Kniep, B., Peter-Katalinic, J., Müthing, J., Majdic, O., Pickl, W.F., Knapp, W., "CD65/CD65s Workshop Panel report", 1997, Leucocyte Typing VI, White Cell Differentiation Antigens. Kishimoto, T., et al, Eds., Garland Publishing, Inc., 990-992.

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