

## CERTIFICATE OF ANALYSIS

Catalog# P91235M  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** P91235M **Lot #:** 32L33615

**Description:** MAb to CD16b  
Monoclonal Antibody to CD16b  
Fluorescein Conjugated

**Specificity:** The GPI-linked CD16 molecule defines the CD16b cluster. This antibody has been assigned to the CD16b cluster of differentiation during the V<sup>th</sup> International Workshop on Human Leukocytes Differentiation Antigens in Boston, 1993 (6).

**Host Animal:** Mouse **Isotype:** IgM, kappa

**Source:** Ascites

**Immunogen:** Purified human granulocytes.

**Format:** FITC, Liquid

**Purification:** Gel Filtration

**Concentration:** Not Determined

**Buffer:** Phosphate Buffered Saline containing 2 mg/mL BSA.

**Preservative:** 0.1% Sodium Azide

**Applications:** Flow Cytometry and Fluorescent Microscopy: (20 µL / 5x10<sup>5</sup> cells/test or 100 µL of whole blood).  
Studies of CD16b expression.  
Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store (in the dark) at 2–8°C. **DO NOT FREEZE.**

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

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**References:**

The references listed below are for research purposes only:

1. Ravetch, J.V., et al., "Fc receptors", 1991, Ann. Rev. Immunol., 9, 457–492.
2. Huizinga, T.W.J., et al., "Neitrp[jo; Fc-gamma receptors: a two-way bridge in the immune system", 1990, Blood, 75, (6), 1211–1214.
3. Perussia, B., et al., "Fc gamma RIII (CD16) on human macrophages is a functional product of the Fc gamma RIII-2 gene", 1991, Euro. J. Immunol., 21, 425–429.
4. Ravetch, J.V., et al., "Alternative membrane forms of Fc gamma RIII (CD16) on human natural killer cells and neutrophils", 1989, J. Exp. Med., 170, 481–497.
5. Galon, J., et al., "Soluble Fc gamma receptor type III (Fc gamma RIII, CD16) triggers cell activation through interaction with complement receptors", 1996, J. of Immunol., 157, 1184–1192.
6. Schmidt, R.E., "CD16 cluster workshop report", in Leukocyte Typing V, White Cell Differentiation Antigens, Schlossman, S.F., et al., Eds Oxford Univ. Press, 1995, p. 805–806.

*Beverly L. Orr*

Quality Signature:

10 June 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**