



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and DataSheet

Mouse Anti CD16b:FITC

Catalog No.
MD-11-0027

Source
Ascites

Isotype
IgM, kappa

Description:	Monoclonal Antibody to CD16b conjugated to FITC
Host Animal:	Mouse. Hybridization of NS1 x myeloma cells with spleen cells from Balb/c mice.
Immunogen:	Purified human granulocytes
Specificity:	The GPI-linked CD16 molecule defines the CD16b cluster. 1D3 antibody has been assigned to the CD16b cluster of differentiation during the V th International Workshop on Human Leukocytes Differentiation Antigens in Boston, 1993.(6).
Format:	FITC, Liquid
Purification:	Ion exchange or Affinity chromatography
Concentration:	Not determined
Buffer:	PBS containing 2mg/ml BSA
Preservative:	0.1% Sodium azide
Storage:	Store (in the dark) at 2–8°C. DO NOT FREEZE.
Applications:	Flow cytometry and fluorescent microscopy: (20ul / 5x10 ⁵ cells/test or 100ul 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.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

References:

1. Ravetch, J.V., et al., "Fc receptors", 1991, Ann. Rev. Immunol., 9, 457–492.
2. Huizinga, T.W.J., et al., "Neitrp[α]; 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.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**