

TECHNICAL DATA SHEET

In Vivo Ready™ Anti-Human CD16 (3G8)

Catalog Number: 40-0166

PRODUCT INFORMATION**Contents:** In Vivo Ready™ Anti-Human CD16 (3G8)**Isotype:** Mouse IgG1, k**Concentration:** 2.0 mg/mL**Clone:** 3G8**Reactivity:** Human**Use By:** 12 months from date of receipt**Storage Conditions:** 2-8°C**Endotoxin Level:** Less than or equal to 0.01 EU/ug, as determined by the LaL assay**Formulation:** 10 mM NaH₂PO₄, 150 mM NaCl, pH7.2**DESCRIPTION**

The 3G8 monoclonal antibody reacts with the 50-65kD transmembrane form of human CD16 (FCGR3A). CD16 is the low affinity IgG receptor III and is expressed on NK cells and macrophages. CD16 participates in signal transduction and mediates antibody-dependent cellular cytotoxicity (ADCC) by natural killer (NK) cells. The second form of CD16 (FCGR3B) is a glycosyl-phosphatidylinositol (GPI) linked molecule expressed exclusively on neutrophils.

PREPARATION & STORAGE

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

APPLICATION NOTES

Tonbo Biosciences tests all of our antibodies by flow cytometry. Citations may be provided as a resource for additional applications that have not been validated by Tonbo Biosciences - please consult Materials and Methods sections for additional details about the use of any product in these publications.

REFERENCES

Fleit HB, Wright SD, Unkeless JC. 1982. Proc Natl Acad Sci U S A. May;79(10):3275-3279. Windebank KP, Abraham RT, Powis G, Olsen RA, Barna TJ, Leibson PJ. 1988. J Immunol. Dec 1;141(11):3951-3957. Fleit HB. 1991. Clin Immunol Immunopathol. May;59(2):222-235. Wirthmueller U, Kurosaki T, Murakami MS, Ravetch JV. 1992. J Exp Med. May 1;175(5):1381-1390.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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