

TECHNICAL DATA SHEET

In Vivo Ready™ Anti-Mouse CD16 / CD32 (2.4G2)

Catalog Number: 40-0161

PRODUCT INFORMATION

Contents: In Vivo Ready™ Anti-Mouse CD16 / CD32 (2.4G2)

Isotype: Rat IgG2b

Concentration: 2 mg/mL

Clone: 2.4G2

Reactivity: Mouse

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, pH7.2

Endotoxin Level: Less than or equal to 0.01 EU/ug, as determined by the LaL assay

DESCRIPTION

The 2.4G2 antibody is specific for a common epitope found in the extracellular regions of mouse Fc-receptors Fc-gamma II (CD32) and Fc-gamma III (CD16). As these are receptors for the Fc portion of mouse IgG, they may also bind laboratory antibody preparations and products used in a variety of cell analysis protocols such as flow cytometry, immunohistochemistry and functional cell assays. The 2.4G2 antibody is therefore widely used as a pre-treatment reagent to block binding of specific antibodies of interest, e.g. fluorescently conjugated antibodies, to Fc receptors via their Fc domains and contributing to "non-specific" staining.

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

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

REFERENCES

Stephen TL, Wilson BS, and Laufer TM. 2012. Proc. Natl. Acad. Sci. 109: 7415-7420. (Blocking- immunofluorescence microscopy) Yamaji O, Nagaishi T, Totsuka T, Onizawa M, Suzuki M, Tsuge et al. 2012. J. Immunol. 188:2524-2536. (Blocking - in vitro) Shimazu T, Iida R, Zhang Q, Welner RS, Medina KL, Alberola-Ila J, and Kincade PW. 2012. Blood. 119:4889-4897. (Blocking – flow cytometry) Stoeker L, Nordone S, Gunderson S, Zhang L, Kajikawa A, LaVoy A, Miller M, Klaenhammer TR, and Dean GA. 2011. Clin. Vaccine Immunol. 18: 1834-1844. (Blocking – flow cytometry) Beretta F, St.-Pierre J, Piccirillo CA, and Stevenson MM. 2011. J. Immunol. 186: 4862-4871. (Blocking - flow cytometry) Coudert JD, Scarpellino L, Gros F, Vivier E, and Held W. 2008 Blood. 111: 3571-3578. (immunoprecipitation)

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.

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