

TECHNICAL DATA SHEET

In Vivo Ready™ Anti-Human CD40 (G28.5)

Catalog Number: 40-0410

PRODUCT INFORMATION**Contents:** In Vivo Ready™ Anti-Human CD40 (G28.5)**Isotype:** Mouse IgG1, kappa**Concentration:** 2.0 mg/mL**Clone:** G28.5**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 G28.5 antibody reacts with human CD40, a 45-48 kDa glycoprotein that is a member of the TNF-receptor superfamily. CD40 is expressed on B cells, follicular dendritic cells, macrophages, endothelial cells, and fibroblasts. CD40 functions as a receptor for CD154 (CD40 ligand) and mediates a wide variety of immune and inflammatory responses including co-stimulation, B cell differentiation, isotype class switching, and germinal center formation.

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

Clark EA, Ledbetter JA. 1986. Proc Natl Acad Sci U S A. 1986; 83(12):4494-4498. Zhang K, Clark EA, Saxon A. 1991. J Immunol. Mar 15;146(6):1836-42. Galy AH, Spits H. 1992. J Immunol. 149(3):775-782. Challa A, Pound JD, Armitage RJ, Gordon J. 1999. Allergy. Jun;54(6):576-83. Cognasse F, Chavarin P, Acquart S, Sabido O, Beniguel L, Genin C, Richard Y, Garraud O. 2005. Int J Immunopathol Pharmacol. Jan-Mar;18(1):65-74.

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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