

TECHNICAL DATA SHEET

FITC Anti-Human CD40 (G28.5)

Catalog Number: 35-0410

PRODUCT INFORMATION

Contents: FITC Anti-Human CD40 (G28.5)

Isotype: Mouse IgG1, kappa

Concentration: 5µl (0.5µg)/test

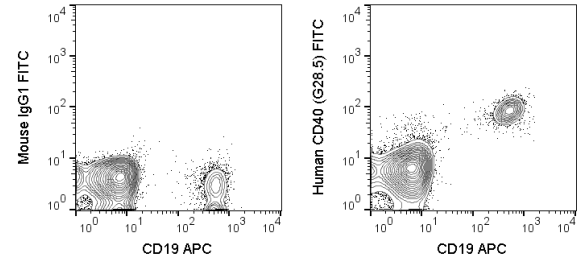
Clone: G28.5

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stained with APC Anti-Human CD19 (20-0199) and 5 uL (0.5 ug) FITC Anti-Human CD40 (35-0410) (right panel) or 0.5 ug FITC Mouse IgG1 isotype control (left panel).

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 was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 uL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

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.

For Research Use Only.

Not for use in diagnostic or therapeutic procedures. Not for resale. Not for distribution without written consent. Tonbo Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Tonbo Biosciences, Tonbo Biosciences Logo and all other trademarks are the property of Tonbo Biotechnologies Corporation. © 2013 Tonbo Biosciences.