

TECHNICAL DATA SHEET

PE Anti-Human CD40 (G28.5)

Catalog Number: 50-0410

PRODUCT INFORMATION

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

Isotype: Mouse IgG1, kappa

Concentration: 5µl (0.25µg)/test

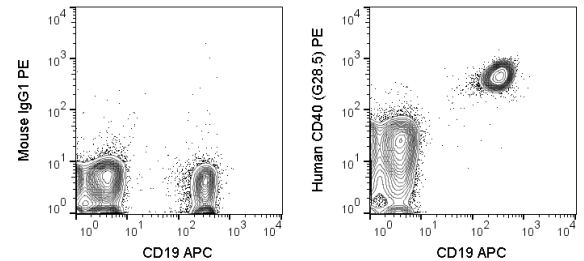
Clone: G28.5

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 (0.25 ug) PE Anti-Human CD40 (50-0410) (right panel) or 0.25 ug PE 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 1x10⁵ to 1x10⁸ 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.

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