Product Information Sheet

# Polyclonal Anti-CD40 (Magnetic Bead conjugate)

**Catalogue No.** PA1019 -M

**Lot No.** 03A01

**Ig type:** rabbit IgG

**Size:** 100µg/vial

**Specificity**

Human, mouse, rat.

No cross reactivity with other proteins.

**Recommended application**

Immunoprecipitation (IP)

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of mouse CD40, identical to the related rat sequence.

**Purity**

Immunogen affinity purified.

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg $NaN_3$.

**Storage**

Store at 4˚C for frequent use.

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

**BACKGROUND**

CD40 is a cell surface receptor that is expressed on the surface of all mature B cells and also expressed on monocytes, dendritic cells, and thymic epithelium .CD40 is a member of the tumor necrosis factor (TNF) receptor superfamily and is the receptor for CD40 ligand. CD40 ligand (CD40L, CD154, gp39, and TRAM) belongs to the TNF gene family and is expressed more widely than CD40 predominantly on activated CD4+ T cells. Activation of CD40 has also been shown to inhibit the growth of certain B cell lymphomas and to induce the death of transformed cells of mesenchymal or epithelial origin.

***REFERENCE***


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3. Stamenkovic, I.; Clark, E. A.; Seed, B. : A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas. *EMBO J.* 8: 1403-1410, 1989.

4. van Kooten, C.; Banchereau, J. : CD40-CD40 ligand. *J. Leuko. Biol.* 67: 2-17, 2000.

5. Kato, K.; Cantwell, M. J.; Sharma, S.; Kipps, T. J. : Gene transfer of CD40-ligand induces autologous immune recognition of chronic lymphocytic leukemia B cells. *J. Clin. Invest.* 101: 1133-1141, 1998.