



Anti-CD40 monoclonal antibody, clone 3/23 [R-PE] (CABT-46053RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rat anti Mouse CD40 antibody, clone 3/23 recognizes the murine CD40 cell surface glycoprotein. It does not react with normal mouse Ig or with human IgG1 and will stain most mature mouse B cells. It does not cross react with mouse T cells. The specificity of Rat anti Mouse CD40 antibody, clone 3/23 was demonstrated by ELISA and flow cytometry using BHK cells transfected with mouse CD40. Rat anti Mouse CD40 antibody, clone 3/23 is a powerful activator of normal B cells especially in the presence of IL-4. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.

Specificity	CD40
Immunogen	Extracellular domain of mouse CD40 and the Fc portion of human IgG1
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	3/23
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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GENE INFORMATION

Gene Name	Cd40 CD40 antigen [Mus musculus (house mouse)]
Official Symbol	CD40
Synonyms	CD40; CD40 antigen; IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936; tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; T-cell differentiation antigen; tumor necrosis factor receptor superfa
Entrez Gene ID	21939
Protein Refseq	NP_035741
UniProt ID	P27512
Chromosome Location	2 H3; 2 85.38 cM
Pathway	Adaptive Immune System; Allograft rejection; Asthma; Autoimmune thyroid disease; Cell adhesion molecules (CAMs); Cytokine-cytokine receptor interaction; Epstein-Barr virus infection; HTLV-I infection;
Function	antigen binding; enzyme binding; protein binding; ubiquitin protein ligase binding;