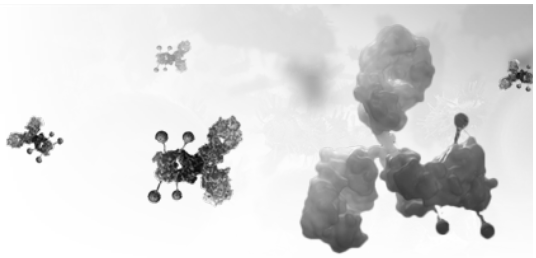

Anti-CD40 monoclonal antibody, clone 3B2 (CABT-46037MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD40 antibody, clone 3B2 recognizes human CD40, a type I transmembrane glycoprotein receptor and member of the TNF-receptor superfamily, primarily expressed by B cells and professional antigen-presenting cells (APCs), which plays a vital role in T cell-B cell interactions and in germinal centre B cell selection. CD40 is a co-stimulatory molecule which mediates its immunoregulatory effects through interaction with its ligand CD154 (CD40L, gp39), playing a role in B cell proliferation and memory development, Ig class switching, activation of APCs and subsequent cytokine production, and the expansion of antigen-specific CD4+ T cells.
Specificity	CD40
Immunogen	CD40-Fc.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3B2
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD40 CD40 molecule, TNF receptor superfamily member 5 [Homo sapiens (human)]
Official Symbol	CD40
Synonyms	CD40; CD40 molecule, TNF receptor superfamily member 5; p50; Bp50; CDW40; TNFRSF5; tumor necrosis factor receptor superfamily member 5; CD40L receptor; CD40 type II isoform; B cell-associated molecule; B cell surface antigen CD40; CD40 antigen (TNF recept
Entrez Gene ID	958
Protein Refseq	NP_001241
UniProt ID	P25942
Chromosome Location	20q12-q13.2
Pathway	Adaptive Immune System; Allograft Rejection; Allograft rejection; Asthma; Autoimmune thyroid disease; CD40/CD40L signaling; Cell adhesion molecules (CAMs); Cytokine-cytokine receptor interaction;
Function	antigen binding; enzyme binding; protein binding; receptor activity; signal transducer activity; ubiquitin protein ligase binding;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221