



Anti-CD40 monoclonal antibody, clone LOB7/6 [FITC] (CABT-46031MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD40 antibody, clone LOB7/6 recognizes the human CD40 cell surface antigen, a 48kDa glycoprotein expressed by B lymphocytes and weakly by some monocytes. CD40 is involved in the process of B cell selection in germinal centres and is vital in T cell-B cell interactions. Flow Cytometry Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
Specificity	CD40
Immunogen	CD40 Ig(Fc) fusion protein containing the EC region of human CD40 and Fc region of human IgG
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human, Dog
Clone	LOB7/6
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. 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 receptor)
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;