CD40 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD40, Monoclonal Antibody
Full Product Name	CD40 (CD40 Molecule, TNF Receptor Superfamily Member 5, Bp50, CDW40, MGC9013, TNFRSF5, p50) (HRP)
Product Gene Name	anti-CD40 antibody
Product Synonym Names	CD40 Molecule; TNF Receptor Superfamily Member 5; Bp50; CDW40; MGC9013; TNFRSF5; p50
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3G10
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes CD40.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added t removing the cap.
Immunogen	CD40 (AAH12419, 21aa-193aa) partial recombinant protein with GST tag.
Immunogen Sequence	EPPTACREKQYLINSQCCSLCQPGQKLVSDCTEFTETECLPCGESEFLDTWNRETHCHQHKYCDPNLGLRVQQKGTSETDTICTCEEGWHCTSEACES
Conjugate	HRP
Product Categories/Family for anti-CD40 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-CD40 antibody	ELISA (EIA)
Application Notes for anti-CD40 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD40 antibody	MBS6183257 is an antibody targeting CD40. Also known as CD40 (CD40 Molecule, TNF Receptor Superfamily Member 5, Bp50, CDW40, MGC9013,
Other Notes	Small volumes of anti-CD40 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD40. It may not necessarily be applicable to this product.

NCBI GI #	15214587
NCBI GeneID	958
NCBI Accession #	AAH12419
UniProt Related Accession #	P25942
NCBI Official Full Name	CD40 molecule, TNF receptor superfamily member 5
NCBI Official Synonym Full Names	CD40 molecule
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	p50; Bp50; CDW40; TNFRSF5
Protein Family	Tumor necrosis factor receptor superfamily
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5
NCBI Summary for CD40	This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Nov 2014]
Research Articles on CD40	**1.** Results found no alterations regarding CD40 mRNA expression in rheumatoid arthritis patients.
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