

Datasheet: MCA2788GA

Description:	MOUSE ANTI HUMAN CD40
Specificity:	CD40
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3B2
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			10.0ug/ml
Immunohistology - Paraffin			■	
ELISA	■			1.0ug/ml
Immunoprecipitation			■	
Western Blotting	■			10.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	CD40-Fc.
External Database Links	UniProt: P25942 Related reagents

Entrez Gene:[958](#) CD40 [Related reagents](#)

Synonyms	TNFRSF5
Specificity	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.
References	1. Contin, C. <i>et al.</i> (2003) Membrane-anchored CD40 is processed by the tumor necrosis factor- α -converting enzyme. Implications for CD40 signaling. J Biol Chem. 278 (35): 32801-9.
Storage	Store at +4°C or at -20°C if preferred. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

HISTAR DETECTION SYSTEM (STAR3000B)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M289024:160607'

Printed on 01 May 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)