

Datasheet: MCA5968GA

Description:	MOUSE ANTI HUMAN CD30
Specificity:	CD30
Other names:	Ki-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C03-8D3
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
ELISA	■			

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 G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant protein corresponding to aa 19-595 of human CD30
External Database Links	<p>UniProt: P28908 Related reagents</p> <p>Entrez Gene: 943 TNFRSF8 Related reagents</p>

Synonyms	CD30, D1S166E
Fusion Partners	Spleen cells from immunised BALB/C mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti Human CD30, clone C03-8D3, recognizes the human CD30 cell surface antigen also known as TNFRSF8. CD30 is a 120 kDa, type I transmembrane glycoprotein of the tumour necrosis factor (TNF) receptor superfamily. CD30 was originally identified as a molecule expressed on Hodgkin and Reed Sternberg cells in Hodgkin's disease but has subsequently been detected on certain non-Hodgkin's malignancies as well as some virally transformed cells. It is also expressed on a subset of activated human T-cells, and by a few extrafollicular T and B-cell blasts in normal lymph nodes.</p> <p>Evidence indicates that CD30 may act as a signal transduction molecule. Binding of CD30 by its ligand induces activation of signalling pathways JNK and NF-κB, expression of lymphocyte genes, proliferation and apoptosis (Muta et al. 2000). These and other signalling events of which CD30 is involved contribute to homeostatic regulation of immune responses (Berghella et al. 2011).</p>
Further Reading	<p>1. Muta, H. <i>et al.</i> (2000) CD30 signals integrate expression of cytotoxic effector molecules, lymphocyte trafficking signals, and signals for proliferation and apoptosis. J Immunol. 165 (9): 5105-11.</p> <p>2. Berghella, A.M. <i>et al.</i> (2011) The potential role of thioredoxin 1 and CD30 systems as multiple pathway targets and biomarkers in tumor therapy. Cancer Immunol Immunother. 60 (10): 1373-81.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

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

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

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