

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	<0.1% 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	UniProt:

Entrez Gene:

[943](#) TNFRSF8 [Related reagents](#)

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 **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.

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- κ B, 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](#)).

Further Reading 1. Muta, H. *et al.* (2000) CD30 signals integrate expression of cytotoxic effector molecules, lymphocyte trafficking signals, and signals for proliferation and apoptosis. [J Immunol. 165 \(9\): 5105-11.](#)
2. Berghella, A.M. *et al.* (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.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 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 (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M389637:210806'

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