

# Datasheet: MCA5968GA

**BATCH NUMBER 280814**

<b>Description:</b>	MOUSE ANTI HUMAN CD30
<b>Specificity:</b>	CD30
<b>Other names:</b>	Ki-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C03-8D3
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> derived recombinant protein corresponding to aa 19-595 of human CD30

**External Database  
Links**

**UniProt:**

[P28908](#)

[Related reagents](#)

**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- $\kappa$ 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**

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.

**Guarantee**

12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA5968GA>  
10040

**Regulatory**

For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

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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](https://bio-rad-antibodies.com/datasheets)  
'M368533:200529'

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