

# Datasheet: MCA6270GA

**BATCH NUMBER 100005241**

<b>Description:</b>	MOUSE ANTI HUMAN CD30
<b>Specificity:</b>	CD30
<b>Other names:</b>	TNFRSF8
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	G05-2D2
<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	▪			1.0 ug/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.

<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 tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

Immunogen	<i>E. coli</i> derived recombinant human full length CD30 (Phe19-Lys595)
External Database Links	<p><b>UniProt:</b>  <a href="#">P28908</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">943</a>    TNFRSF8    <a href="#">Related reagents</a></p>
Synonyms	CD30, D1S166E
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p><b>Mouse anti Human CD30 antibody, clone G05-2D2</b>, recognizes CD30 also known as Tumor Necrosis Factor Receptor Super Family member 8, CD30L receptor and Ki-1 antigen. CD30 is a 120 kDa transmembrane glycoprotein that belongs to the tumor necrosis factor receptor superfamily. CD30 is expressed on small subsets of activated T and B lymphocytes and a range of lymphoid neoplasms (<a href="#">Weyden et al. 2017</a>).</p> <p>Upon binding of its ligand CD30L, CD30 undergoes trimerization and recruits TNFR-associated factor (TRAF) and TRAF binding proteins generating a signaling complex which can then mediate MAPK and NFκB signaling (<a href="#">Weyden et al. 2017</a>). In this way, CD30 signaling is able to regulate peripheral T cell responses, controls T cell survival, down regulates cytolytic capacity and regulates thymocyte survival (<a href="#">Muta &amp; Podack 2013</a>).</p> <p>The purified Mouse anti Human CD30 antibody, clone G05-2D2 (MCA62670GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CD30 antibody, clone D02-6E11 (<a href="#">MCA6271B</a>) as the detection antibody.</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	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6270GA">https://www.bio-rad-antibodies.com/SDS/MCA6270GA</a> 10040
Regulatory	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)    [RPE](#)

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

## Recommended Useful Reagents

[MOUSE ANTI HUMAN CD30:Biotin \(MCA6271B\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</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)  
 'M378821:210304'

Printed on 18 Jan 2024

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