

## Datasheet: MCA6270GA

<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

<b>Immunogen</b>	<i>E. coli</i> derived recombinant human full length CD30 (Phe19-Lys595)
<b>External Database Links</b>	<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>
<b>Synonyms</b>	CD30, D1S166E
<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
<b>Specificity</b>	<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 cytotoxic 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>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)      [HRP](#)

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>

### **Recommended Negative Controls**

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

### **Recommended Useful Reagents**

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

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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)

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