

## Datasheet: MCA4710GA

**BATCH NUMBER 220914**

<b>Description:</b>	RAT ANTI MOUSE CD253
<b>Specificity:</b>	CD253
<b>Other names:</b>	TRAIL
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	N2B2
<b>Isotype:</b>	IgG2a
<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
Flow Cytometry	▪			1/5 - 1/10
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography
<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 0.5mg/ml
<b>Immunogen</b>	Mouse CD253-transfected 2PK-3 cells.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P50592</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">22035</a>    Tnfsf10    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Trail
<b>RRID</b>	AB_2256260
<b>Fusion Partners</b>	Splenocytes from an immunized F344/DuCrj rat were fused with cells of the mouse P3U1 myeloma cell line.
<b>Specificity</b>	<p><b>Rat anti Mouse CD253 antibody, clone N2B2</b> recognizes mouse CD253, also known as TNF-related apoptosis-inducing ligand or TRAIL, a member of the tumour necrosis factor ligand superfamily. When bound to the death receptors DR4 and DR5 caspase-8-dependent apoptosis is induced. However, CD253 might also be bound by the decoy receptor DcR1 which cannot induce apoptosis, and DcR2 which activates NF-kappa-B.</p> <p>Rat anti Mouse CD253 antibody, clone N2B2 has been reported to block NK cell cytotoxicity <i>in vitro</i> (<a href="#">Kayagaki et al. 1999</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
<b>References</b>	1. Smyth, M.J. <i>et al.</i> (2003) Nature's TRAIL--on a path to cancer immunotherapy. <a href="#">Immunity. 18 (1): 1-6.</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA4710GA">https://www.bio-rad-antibodies.com/SDS/MCA4710GA</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight@800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

## Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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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)  
'M367951:200529'

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