

## Datasheet: MCA2144EL

**BATCH NUMBER 171598**

<b>Description:</b>	MOUSE ANTI HUMAN CD253:Low Endotoxin
<b>Specificity:</b>	CD253
<b>Other names:</b>	TRAIL
<b>Format:</b>	Low Endotoxin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2E5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 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	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays	▪			

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 A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	None present

## Stabilisers

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**Endotoxin Level** < 0.01 EU/ug

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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**Immunogen** Recombinant human CD253 (TRAIL) aa 95-281.

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## External Database Links

### UniProt:

[P50591](#)   [Related reagents](#)

### Entrez Gene:

[8743](#)   TNFSF10   [Related reagents](#)

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**Synonyms** APO2L, TRAIL

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**RRID** AB\_2205819

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## Specificity

**Mouse anti Human CD253 antibody, clone 2E5** recognizes the 281 amino acid protein termed TNF related apoptosis-inducing ligand (TRAIL), also known as Apo2L.

TRAIL is a cytotoxic protein closely related to Fas (CD95), which induces extensive apoptosis in a range of cell types. TRAIL induces apoptosis via the receptors DR4 and DR5. Most normal tissues are resistant to TRAIL induced apoptosis due to their expression of decoy receptors, DcR1 and DcR2, which antagonise TRAIL activity.

TRAIL is expressed by cell lines, activated lymphocytes and on syncytiotrophoblast cells in first trimester pregnancy.

This antibody neutralizes TRAIL activity.

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## References

1. McClements, M. *et al.* (2008) A novel bioassay for B-cell activating factor (BAFF) based on expression of a BAFF-receptor ectodomain-tumour necrosis factor-related apoptosis-inducing ligand (TRAIL) receptor-2 endodomain fusion receptor in human rhabdomyosarcoma cells. [J Immunol Methods. 337 \(1\): 63-70.](#)

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## Storage

Store at -20°C only.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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## Guarantee

12 months from date of despatch

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## Health And Safety Information

Material Safety Datasheet documentation #10162 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2144EL>

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<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>
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>

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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