

Datasheet: MCA2144EL

BATCH NUMBER 172608

Description:	MOUSE ANTI HUMAN CD253:Low Endotoxin
Specificity:	CD253
Other names:	TRAIL
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	2E5
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Endotoxin Level < 0.01 EU/ug

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

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

External Database Links**UniProt:**

[P50591](#) [Related reagents](#)

Entrez Gene:

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

Synonyms APO2L, TRAIL

RRID AB_2205819

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.

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.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

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

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

Product inquiries: 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

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