

Datasheet: MCA4710GA

Description:	RAT ANTI MOUSE CD253
Specificity:	CD253
Other names:	TRAIL
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	N2B2
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Mouse CD253-transfected 2PK-3 cells.
External Database Links	UniProt:

[P50592](#) [Related reagents](#)

Entrez Gene:

[22035](#) Tnfsf10 [Related reagents](#)

Synonyms	Trail
Fusion Partners	Splenocytes from an immunized F344/DuCrj rat were fused with cells of the mouse P3U1 myeloma cell line.
Specificity	Rat anti Mouse CD253 antibody, clone N2B2 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. Rat anti Mouse CD253 antibody, clone N2B2 has been reported to block NK cell cytotoxicity <i>in vitro</i> (Kayagaki <i>et al.</i> 1999).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

Recommended Negative Controls

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

'M278786:160112'

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