

Datasheet: MCA2332

Description:	MOUSE ANTI HUMAN CD261
Specificity:	CD261
Other names:	DR4, TRAIL-R1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	DR-4-02
Isotype:	IgG1
Quantity:	0.2 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	▪			1/50 - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody 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 Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Fusion protein containing the extracellular region of CD261 (DR4).
External Database Links	UniProt: O00220 Related reagents

Entrez Gene:

[8797](#) TNFRSF10A [Related reagents](#)

Synonyms	APO2, DR4, TRAILR1
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Fusion Partners	Spleen cells from immunized F1 hybrid mice were fused with cells of the SP2/0-Ag14 myeloma cell line.
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Specificity	<p>Mouse anti Human CD261 antibody, clone DR-4-02 recognizes human death receptor 4 (DR4), also known as CD261 or TRAIL- R1. DR4 is a type I transmembrane protein of 468 amino acids, which is expressed in most human tissues including spleen, peripheral blood leucocytes, thymus and in a variety of tumour-derived cell lines.</p> <p>DR4 plays a role in inducing cell death. The binding of TRAIL to DR4 triggers the activation of pro-caspases 8 and 10, leading to apoptosis.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Cosgrove, C. <i>et al.</i> (2013) Early and nonreversible decrease of CD161⁺⁺/MAIT cells in HIV infection. Blood. 121: 951-61.2. Crescenzi, E. <i>et al.</i> (2011) NF-κB-dependent cytokine secretion controls Fas expression on chemotherapy-induced premature senescent tumor cells. Oncogene. 30: 2707-17.3. Zhang, Y. and Zhang, B. (2008) TRAIL resistance of breast cancer cells is associated with constitutive endocytosis of death receptors 4 and 5. Mol Cancer Res. 6: 1861-71.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Negative Controls

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

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