

## Datasheet: MCA2332

<b>Description:</b>	MOUSE ANTI HUMAN CD261
<b>Specificity:</b>	CD261
<b>Other names:</b>	DR4, TRAIL-R1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	DR-4-02
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 mg

## Product Details

**RRID** AB\_567264

**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	▪			1/50 - 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](#)

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**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**

**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.

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.

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Cosgrove, C. *et al.* (2013) Early and nonreversible decrease of CD161<sup>+</sup>/MAIT cells in HIV infection. [Blood. 121: 951-61.](#)
2. Crescenzi, E. *et al.* (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**

Store at +4°C or at -20°C if preferred.

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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**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 IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),  
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),  
[FITC](#), [HRP](#)

## Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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