

## Datasheet: MCA2332A488T

<b>Description:</b>	MOUSE ANTI HUMAN CD261:Alexa Fluor® 488
<b>Specificity:</b>	CD261
<b>Other names:</b>	DR4, TRAIL-R1
<b>Format:</b>	ALEXA FLUOR® 488
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	DR-4-02
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	25 TESTS/0.25ml

### 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	▪			Neat

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor® 488- liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	Alexa Fluor®488	495	519
<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>	0.09% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml		

<b>Immunogen</b>	Fusion protein containing the extracellular region of CD261 (DR4).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O00220</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8797</a>    TNFRSF10A    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	APO2, DR4, TRAILR1
<b>RRID</b>	AB_1101655
<b>Fusion Partners</b>	Spleen cells from immunized F1 hybrid mice were fused with cells of the SP2/0-Ag14 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD261 antibody, clone DR-4-02</b> 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>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Cosgrove, C. <i>et al.</i> (2013) Early and nonreversible decrease of CD161<sup>++</sup>/MAIT cells in HIV infection. <a href="#">Blood. 121: 951-61.</a></li> <li>2. Crescenzi, E. <i>et al.</i> (2011) NF-κB-dependent cytokine secretion controls Fas expression on chemotherapy-induced premature senescent tumor cells. <a href="#">Oncogene. 30: 2707-17.</a></li> <li>3. Zhang, Y. and Zhang, B. (2008) TRAIL resistance of breast cancer cells is associated with constitutive endocytosis of death receptors 4 and 5. <a href="#">Mol Cancer Res. 6: 1861-71.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p>
<b>Guarantee</b>	12 months from date of despatch
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**Health And Safety Information**      Material Safety Datasheet documentation #10041 available at:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA928A488\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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