Datasheet: MCA2332A488

Description:	MOUSE ANTI HUMAN CD261:Alexa Fluor® 488
Specificity:	CD261
Other names:	DR4, TRAIL-R1
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	DR-4-02
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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	▪			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.

Target Species

Human

Product Form

Purified IgG conjugated to Alexa Fluor® 488- liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
Alexa Fluor®488	495	519

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
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.05 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
Fusion Partners	Spleen cells from immunized F1 hybrid mice were fuzed with cells of the SP2/0-Ag14 myeloma cell line.
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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Cosgrove, C. *et al.* (2013) Early and nonreversible decrease of CD161++/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.
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. This product is photosensitive and should be protected from light. 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.
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

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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