

Datasheet: MCA2804PECY5.5

Description:	MOUSE ANTI HUMAN CD14:RPE-Cy5.5
Specificity:	CD14
Format:	RPE-CY5.5
Product Type:	Monoclonal Antibody
Clone:	61D3
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. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Species Cross Reactivity	Reacts with: Bovine, Dog, Rabbit, Sheep, Pig, Cynomolgus monkey, Goat, Cat, Mink N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	Purified IgG conjugated to R. Phycoerythrin - Cy5.5 (RPE-Cy5.5) - liquid		
Max Ex/Em	Fluorophore RPE-Cy5.5 488nm laser	Excitation Max (nm) 496	Emission Max (nm) 695
Buffer Solution	Phosphate buffered saline		
Preservative	0.1% Sodium Azide (NaN ₃)		
Stabilisers	Sucrose		
External Database Links	UniProt: P08571 Related reagents Entrez Gene: 929 CD14 Related reagents		
Specificity	Mouse anti Human CD14 antibody, clone 61D3 recognizes human CD14, otherwise known as monocyte differentiation antigen. It is a ~40 kDa protein found on cell surfaces, particularly		

macrophages. CD14 acts as a co-receptor (along with the Toll-like receptor TLR 4 and MD-2) to mediate the innate immune response to bacterial lipopolysaccharide.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood.

References

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12. Serti, E. *et al.* (2015) Successful Interferon-Free Therapy of Chronic Hepatitis C Virus Infection Normalizes Natural Killer Cell Function. [Gastroenterology. 149 \(1\): 190-200.e2.](#)

Storage

Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

Please see label for expiry date.

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10331 available at:
10331: <https://www.bio-rad-antibodies.com/uploads/MSDS/10331.pdf>

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

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