Datasheet: FCSC815B

BATCH NUMBER 173013

Description:	QUANTUM™ SIMPLY CELLULAR® MOUSE IgG
Name:	QUANTUM™ SIMPLY CELLULAR® IgG
Format:	Flow Cytometry Calibration Reagent
Product Type:	Accessory Reagent
Quantity:	100 TESTS

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	▪			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Buffer Solution

Borate buffered saline.

Preservative Stabilisers

0.1% Bovine Serum Albumin
0.05% Tween 20
10mM EDTA
0.09% Sodium Azide (NaN_3)

Product Information

Quantum™ Simply Cellular® Mouse IgG is comprised of four coated populations and one blank population of uniform microspheres that are approximately the size of human lymphocytes (7-9µm). Each of the four sets is coated with goat-anti-mouse IgG (Fc-specific) with different calibrated Antibody Binding Capacities (ABC) for mouse monoclonal antibodies. The blank population has no specific binding capacity for mouse IgG.

When the bead populations are labeled in the same manner as the cells to be analyzed, they provide a means for constructing a QuickCal® calibration curve (ABC values vs. fluorescence intensity), from which samples may be "read". Cellular antigen expression may thus be quantitated in ABC units. The calibration curve is also a useful means for determining instrument linearity.

Intended Use	FCSC815B is suitable for the quantitation of cellular antigen expression in Antibody Binding Capacity (ABC) units. This product may also serve as an accurate compensation standard when labeled with the same antibodies used to stain cell samples.
Reagents In The Kit	1 x 5ml bottle of uncoated microbeads 4 x 5ml bottles of coated microbeads.
Instructions For Use	Instructions for use can be found at www.bio-rad-antibodies.com/uploads/IFU/FCSC815B.pdf
References	1. Park, J.A. & Cheung, N.V. (2022) Overcoming tumor heterogeneity by *ex vivo.* arming of T cells using multiple bispecific antibodies. J Immunother Cancer. 10 (1) :e003771. 2. Bryniarski, M.A. *et al.* (2024) Utility of Cellular Measurements of Non-Specific Endocytosis to Assess the Target-Independent Clearance of Monoclonal Antibodies bioRxiv 16 Apr [Preprint].
Storage	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.
Guarantee	Guaranteed until date of expiry. Please see product label.
Acknowledgements	Quantum and Simply Cellular are trademarks of Bangs Laboratories, INC.
Health And Safety Information	Material Safety Datasheet documentation #10256 available at: https://www.bio-rad-antibodies.com/SDS/FCSC815B
Regulatory	For research purposes only.

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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