OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AM08216PU-N Mouse IgG2c Isotype Control - Purified

Alternate names: Mouse IgG2c Negative Control

Quantity: 1 mg

Concentration: 1.0 mg/ml

Background: Isotype Control monoclonal antibodies are used to estimate the non-specific binding of target primary antibodies to cell surface antigens. Non-specific binding is due to Fc receptor binding or other protein-protein interactions. Isotype controls show negligible cross-reactivity with cell surface antigens on tissue sections or in cellular preparations. Isotype Controls should be used at identical concentrations and staining conditions as the target primary antibodies.

Host / Isotype: Mouse / IgG2c

Clone: 6.3

Format: **State:** Liquid purified Ig fraction.
Buffer System: 100 mM Borate buffered saline, pH 8.2.
No preservatives or amine-containing buffer salts added.

Applications: **ELISA:** Working dilution ≤ 1 µg/ml with unlabeled mouse (C57BL/6) IgG2c antibodies. See also Ref.1-5.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Storage: Store undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.

General Readings:

1. Haas KM, Watanabe R, Matsushita T, Nakashima H, Ishiura N, Okochi H, et al. Protective and pathogenic roles for B cells during systemic autoimmunity in NZB/W F1 mice. J Immunol. 2010 May 1;184(9):4789-800. doi: 10.4049/jimmunol.0902391. Epub 2010 Apr 5. PubMed PMID: 20368280.
2. Allan RS, Zueva E, Cammas F, Schreiber HA, Masson V, Belz GT, et al. An epigenetic silencing pathway controlling T helper 2 cell lineage commitment. Nature. 2012 Jul 12;487(7406):249-53. doi: 10.1038/nature11173. PubMed PMID: 22763435.
3. Donius LR, Handy JM, Weis JJ, Weis JH. Optimal germinal center B cell activation and T-dependent antibody responses require expression of the mouse complement receptor Cr1. J Immunol. 2013 Jul 1;191(1):434-47. doi: 10.4049/jimmunol.1203176. Epub 2013 Jun 3. PubMed PMID: 23733878.
4. Vogelzang A, McGuire HM, Liu SM, Gloss B, Mercado K, Earls P, et al. IL-21 contributes to fatal inflammatory disease in the absence of Foxp3+ T regulatory cells. J Immunol. 2014 Feb 15;192(4):1404-14. doi: 10.4049/jimmunol.1302285. Epub 2014 Jan 20. PubMed PMID: 24446516.
5. Pioli PD, Chen X, Weis JJ, Weis JH. Fatal autoimmunity results from the conditional deletion of Snai2 and Snai3. Cell Immunol. 2015 May;295(1):1-18. doi: 10.1016/j.cellimm.2015.02.009. Epub 2015 Feb 24. PubMed PMID: 25732600.