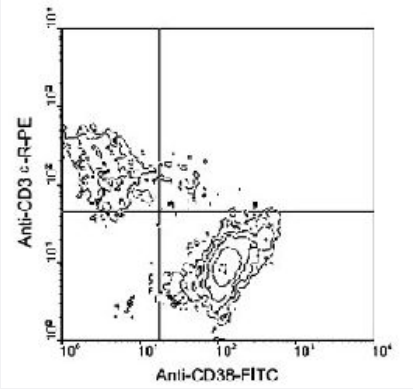
Cd38 monoclonal antibody, clone 90 (PE)

Catalog # MAB5928 Size 100 ug

Applications



Flow Cytometry

Cells from BALB/c spleen were double-stained with Cd38 monoclonal antibody, clone 90 (FITC) (Cat # MAB5926) and Cd3e monoclonal antibody, clone 145-2C11 (PE) (Cat # MAB5909). Small lymphocytes were gated and analyzed on a FACScan flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Rat monoclonal antibody raised against native Cd38.
Immunogen	Native purified Cd38 from mouse bone marrow pre-B cells.
Host	Rat
Reactivity	Mouse
Specificity	Specificity CD38 (Mr 42-KDa), an immunoregulatory ectoenzyme
Form	Liquid
Conjugation	PE
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.2 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

  Cells from BALB/c spleen were double-stained with Cd38 monoclonal antibody, clone 90 (FITC) (Cat # MAB5926) and Cd3e monoclonal antibody, clone 145-2C11 (PE) (Cat # MAB5909). Small lymphocytes were gated and analyzed on a FACScan flow cytometer (BDIS, San Jose, CA).
- Immunoprecipitation

Gene Info — Cd38

Entrez GeneID	12494
Gene Name	Cd38
Gene Alias	Cd38-rs1
Gene Description	CD38 antigen
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- Formation and hydrolysis of cyclic ADP-ribose catalyzed by lymphocyte antigen CD38.

  Howard M, Grimaldi JC, Bazan JF, Lund FE, Santos-Argumedo L, Parkhouse RM, Walseth TF, Lee HC.

  Science 1993 Nov; 262(5136):1056.

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- Expression cloning of a cDNA encoding a novel murine B cell activation marker. Homology to human CD38.

  Harada N, Santos-Argumedo L, Chang R, Grimaldi JC, Lund FE, Brannan CI, Copeland NG, Jenkins NA, Heath AW, Parkhouse RM, et al..

  Journal of Immunology 1993 Sep; 151(6):3111.

- A B lymphocyte surface molecule mediating activation and protection from apoptosis via calcium channels.

  Santos-Argumedo L, Teixeira C, Preece G, Kirkham PA, Parkhouse RM.

  Journal of Immunology 1993 Sep; 151(6):3119.

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