

ARG20858 anti-CD19 antibody [MB19-1]

Package: 100 µg
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Mouse Monoclonal antibody [MB19-1] recognizes CD19 |
| Tested Reactivity | Ms |
| Tested Application | Cell-Act , FACS, IP |
| Specificity | Mouse CD19. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | MB19-1 |
| Isotype | IgA, kappa |
| Target Name | CD19 |
| Species | Mouse |
| Immunogen | CD19+ mouse pre-B cell line 300.19 |
| Conjugation | Un-conjugated |
| Alternate Names | Differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; B4; CD antigen CD19; CVID3 |

Application Instructions

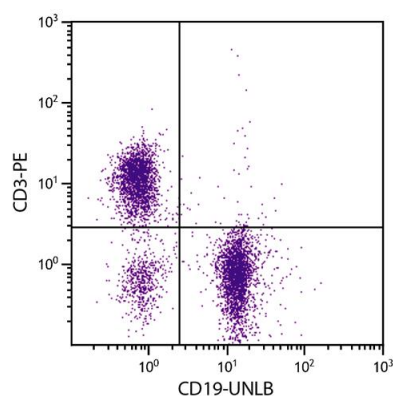
| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | Cell-Act | Assay-dependent |
| | FACS | Assay-dependent |
| | IP | Assay-dependent |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Buffer | BBS (pH 8.2) |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

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| Database links | GeneID: 12478 Mouse Swiss-port # P25918 Mouse |
| Gene Symbol | CD19 |
| Gene Full Name | CD19 antigen |
| Background | CD19: Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq, Jul 2008] |
| Function | CD19 functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (PubMed:2463100, PubMed:1373518, PubMed:16672701). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:9382888, PubMed:9317126, PubMed:12387743, PubMed:16672701). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:9317126). Required for normal differentiation of B-1 cells. Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed:2463100, PubMed:1373518). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:9317126, PubMed:12387743, PubMed:16672701). [UniProt] |
| Highlight | Related products: CD19 antibodies ; CD19 ELISA Kits ; CD19 Duos / Panels ; Anti-Mouse IgA secondary antibodies ; Related news: Tumor-Infiltrating Lymphocytes (TILs) |
| Research Area | Developmental Biology antibody; Immune System antibody; Lymphocyte Marker antibody; B cell Marker antibody; Pro-B Cell Marker antibody; Pre-B Cell Marker antibody; Immature B Cell Marker antibody; Follicular dendritic cells antibody |
| Calculated Mw | 61 kDa |
| PTM | Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation. Phosphorylated on tyrosine residues by LYN. |

Images



ARG20858 anti-CD19 antibody [MB19-1] FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20858 anti-CD19 antibody [MB19-1] and [ARG20819](#) anti-CD3e antibody [C363.29B] (PE) followed by [ARG21540](#) Goat anti-Mouse IgA antibody (FITC) (pre-adsorbed).