

ARG21273 anti-CD20 antibody [B-Ly1]

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [B-Ly1] recognizes CD20 |
| Tested Reactivity | Hu |
| Tested Application | BL, FACS, IHC-Fr, IHC-P, IP |
| Specificity | Human CD20 |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | B-Ly1 |
| Isotype | IgG1, kappa |
| Target Name | CD20 |
| Species | Human |
| Conjugation | Un-conjugated |
| Alternate Names | Bp35; LEU-16; B-lymphocyte surface antigen B1; B-lymphocyte antigen CD20; CD20; S7; CD antigen CD20; Leukocyte surface antigen Leu-16; B1; CVID5; Membrane-spanning 4-domains subfamily A member 1; MS4A2 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | BL | Assay-dependent |
| | FACS | Assay-dependent |
| | IHC-Fr | Assay-dependent |
| | IHC-P | 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

| | |
|---------------------|---|
| Form | Liquid |
| Buffer | BBS (pH 8.2) |
| Concentration | 0.1 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.

Bioinformation

| | |
|----------------|--|
| Database links | GeneID: 931 Human Swiss-port # P11836 Human |
| Gene Symbol | MS4A1 |
| Gene Full Name | membrane-spanning 4-domains, subfamily A, member 1 |
| Background | CD20 is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein. [provided by RefSeq, Jul 2008] |
| Function | CD20 is a B-lymphocyte-specific membrane protein. It plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:3925015, PubMed:7684739, PubMed:12920111). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:7684739, PubMed:12920111, PubMed:18474602). [UniProt] |
| Highlight | Related products: CD20 antibodies ; CD20 ELISA Kits ; CD20 Duos / Panels ; Anti-Mouse IgG secondary antibodies ; Related news: New antibody panels and duos for Tumor immune microenvironment Tumor-Infiltrating Lymphocytes (TILs) Exploring Antiviral Immune Response |
| Research Area | Cancer antibody; Developmental Biology antibody; Immune System antibody; B cell Marker antibody; Immature B Cell Marker antibody; Inflammatory Cell Marker antibody; Tumor-infiltrating Lymphocyte Study antibody |
| Calculated Mw | 33 kDa |
| PTM | Phosphorylated. Might be functionally regulated by protein kinase(s). |