

ARG53739 anti-CD99 antibody [12E7]

Package: 100 µl
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Mouse Monoclonal antibody [12E7] recognizes CD99 |
| Tested Reactivity | Hu |
| Tested Application | FACS, ICC/IF, IHC-P, IP |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 12E7 |
| Isotype | IgG1 |
| Target Name | CD99 |
| Immunogen | Acute lymphocytic leukemia T-cells. |
| Conjugation | Un-conjugated |
| Alternate Names | 12E7; CD99 antigen; MIC2X; MIC2Y; CD antigen CD99; MSK5X; Protein MIC2; MIC2; T-cell surface glycoprotein E2; HBA71; E2 antigen |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | FACS | Assay-dependent |
| | ICC/IF | 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

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| Form | Liquid |
| Purification | Purified Antibody |
| Buffer | 1X PBS and 0.1% Sodium azide |
| Preservative | 0.1% Sodium azide |
| Concentration | 0.2 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 or below. 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

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|----------------|--|
| Database links | GeneID: 4267 Human Swiss-port # P14209 Human |
| Gene Symbol | CD99 |
| Gene Full Name | CD99 molecule |
| Background | CD99 is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus. [provided by RefSeq, Mar 2016] |
| Function | CD99 involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Involved in T-cell adhesion processes. [UniProt] |
| Research Area | Cancer antibody; Immune System antibody; Signaling Transduction antibody |
| Calculated Mw | 19 kDa |
| PTM | Extensively O-glycosylated. |