

ARG22656 anti-SLA Class I antibody [JM1E3]

Package: 100 µg
Store at: -20°C

Summary

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| Product Description | Mouse Monoclonal antibody [JM1E3] recognizes SLA Class I This antibody recognizes a monomorphic epitope expressed by Porcine MHC class I molecules (SLA - 1). SLA - 1 is expressed by all nucleated Porcine cells, but not on erythrocytes. This antibody has also been shown to cross-react with Human MHC Class I, including HLA-E. (Galiani et al. 2002) The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In pigs, this is referred to as the swine leukocyte antigen (SLA) region. Mouse anti Pig SLA class I, clone JM1E3 has been reported to block the interaction of MHC Class I antigens with inhibitory NK cell receptors (Galiani et al. 2002). |
| Tested Reactivity | Hu, Pig |
| Tested Application | FACS, IP |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | JM1E3 |
| Isotype | IgG1 |
| Target Name | SLA Class I |
| Species | Pig |
| Immunogen | Porcine peripheral blood mononuclear cells. |
| Conjugation | Un-conjugated |
| Alternate Names | PD1; SLA-1a |

Application Instructions

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| Application table | Application | Dilution |
| | FACS | 1:50 - 1:100 |
| | IP | Assay-dependent |
| Application Note | FACS: Use 10 ul of the suggested working dilution to label 10 ⁶ cells in 100 µl. * 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 | Purification with Protein A. |
| Buffer | PBS and 0.09% Sodium azide. |
| Preservative | 0.09% Sodium azide |
| Concentration | 1 mg/ml |

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| 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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| Gene Symbol | SLA-1 |
| Gene Full Name | MHC class I antigen 1 |
| Function | Involved in the presentation of foreign antigens to the immune system. [UniProt] |