

ARG21107 anti-CD1 antibody [76-7-4]

Package: 100 µg
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Mouse Monoclonal antibody [76-7-4] recognizes CD1 |
| Tested Reactivity | Pig |
| Tested Application | FACS, ICC/IF, IHC-Fr, IP |
| Specificity | Porcine CD1. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 76-7-4 |
| Isotype | IgG2a, kappa |
| Target Name | CD1 |
| Species | Pig |
| Immunogen | Fresh dd miniature swine thymocytes |
| Conjugation | Un-conjugated |
| Alternate Names | R4; FCB6; CD antigen CD1a; T6; T-cell surface antigen T6/Leu-6; hTa1 thymocyte antigen; T-cell surface glycoprotein CD1a; CD1; HTA1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | FACS | Assay-dependent |
| | ICC/IF | Assay-dependent |
| | IHC-Fr | 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. |

Bioinformation

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|----------------|--|
| Gene Symbol | CD1A |
| Gene Full Name | CD1 antigen |
| Background | <p>This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to the plasma membrane and to recycling vesicles of the early endocytic system. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]</p> |
| Function | <p>Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells. [UniProt]</p> |
| Calculated Mw | 37 kDa |