

## ARG21096 anti-CD107a / LAMP1 antibody [1D4B]

Package: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rat Monoclonal antibody [1D4B] recognizes CD107a / LAMP1  |
| Tested Reactivity   | Ms  |
| Tested Application  | ELISA, EM, FACS, ICC/IF, IHC-Fr, IHC-P, IP, Puri, WB  |
| Specificity         | Mouse CD107a.   |
| Host                | Rat   |
| Clonality           | Monoclonal  |
| Clone               | 1D4B  |
| Isotype             | IgG2a, kappa  |
| Target Name         | CD107a / LAMP1  |
| Species             | Mouse   |
| Immunogen           | Plasma membrane fraction of mouse embryo NIH/3T3 cell line  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | LGP120; CD107a; LAMPA; CD antigen CD107a; Lysosome-associated membrane glycoprotein 1; CD107 antigen-like family member A; LAMP-1; Lysosome-associated membrane protein 1 |

### Application Instructions

| Application table | Application  | Dilution                     |
|-------------------|--|------------------------------|
|                   | ELISA  | Assay-dependent              |
|                   | EM   | Assay-dependent              |
|                   | FACS   | < 1 µg/10 <sup>6</sup> cells |
|                   | ICC/IF   | Assay-dependent              |
|                   | IHC-Fr   | Assay-dependent              |
|                   | IHC-P  | Assay-dependent              |
|                   | IP   | Assay-dependent              |
|                   | Puri   | Assay-dependent              |
|                   | WB   | 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       | 0.5 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

---

|                |  |
|----------------|--|
| Database links | <a href="#">GeneID: 16783 Mouse</a><br><a href="#">Swiss-port # P11438 Mouse</a>   |
| Gene Symbol    | LAMP1  |
| Gene Full Name | lysosomal-associated membrane protein 1  |
| Background     | The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may also play a role in tumor cell metastasis. [provided by RefSeq, Jul 2008] |
| Function       | Presents carbohydrate ligands to selectins. Also implicated in tumor cell metastasis. [UniProt]  |
| Research Area  | Cancer antibody; Cell Death antibody; Controls and Markers antibody; Developmental Biology antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody; Lysosome Marker antibody                           |
| Calculated Mw  | 45 kDa   |
| PTM            | O- and N-glycosylated; some of the 18 N-linked glycans are polylactosaminoglycans. The glycosylation of N-76 is essential for Lassa virus entry into cells.  |