



Rabbit Anti-Human LAMP3/CD208 monoclonal antibody, clone S113 (CABT-ZB1038)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Specificity | It reacts with Human LAMP3/CD208 |
| Target | LAMP3 |
| Immunogen | Recombinant Human LAMP3 protein |
| Isotype | IgG1 |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | S113 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB711 - CABT-ZB1038 This antibody will detect LAMP3/CD208 in antibody pair set. [ABPR-ZB291] |
| Preparation | This antibody was obtained from a rabbit immunized with purified, recombinant Human CD208 / LAMP3. |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 100 µL, 200 µL |

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| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | Dendritic cell-lysosomal associated membrane protein (DC-LAMP)/CD208, also known as LAMP3, is a member of the lysosomal associated membrane protein (LAMP) family, which is specifically expressed by human dendritic cells (DCs) upon activation and therefore serves as a marker of human DC maturation. Confocal and immunoelectron microscopy showed that mouse DC-LAMP protein co-localizes with lbn180, a specific marker for the limiting membrane of lamellar bodies that contain surfactant protein B. The present study demonstrates that DC-LAMP is constitutively expressed by mouse, sheep, and human type II pneumocytes. DC-LAMP is constitutively expressed in normal type II pneumocytes. DC-LAMP is detected first in the activated human DC within MHC class II molecules-containing compartments just before the translocation of MHC class II-peptide complexes to the cell surface, suggesting a possible involvement in this process. Furthermore, overexpression of LAMP3 is actively involved in tumor invasion through increased migration into lymph-vascular spaces. |
| Keywords | LAMP1; lysosomal-associated membrane protein 1; LAMPA; CD107a |

GENE INFORMATION

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| Synonyms | LAMP1; lysosomal-associated membrane protein 1; LAMPA; CD107a; LGP120; lysosome-associated membrane glycoprotein 1; LAMP-1; CD107 antigen-like family member A; lysosome-associated membrane protein 1 |
| Entrez Gene ID | 27074 |
| UniProt ID | Q9UQV4 |