



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

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

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

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 Ibm180, 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

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