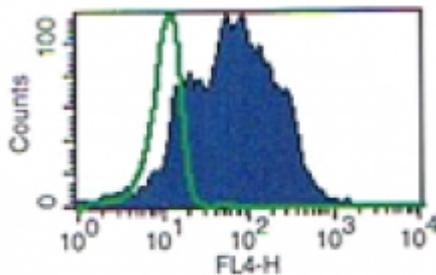


Anti-LAMP3 antibody (Alexa-fluor 647)



Description

The dendritic cell lysosomal-associated membrane protein (DC-LAMP)/CD208 is a type I integral transmembrane glycoprotein mostly homologous to CD68, of about 45 kDa in mouse and 90 kDa in human (glycosylation), with a bipartite C-terminal structure divided by a serine/proline rich region, a transmembrane domain and a conserved tyrosine-based lysosomal targeting motif in its cytoplasmic tail. Initially cloned as a specific marker of human mature dendritic cells (DCs), DC-LAMP has been subsequently shown to be expressed in alveolar type II pneumocytes. In both cell types, the molecule is found in the limiting membrane of intracellular multi-lamellar bodies, known as MIIC (MHC class II compartments) in human mature DCs and as lung surfactant-containing lamellar bodies in type II pneumocytes. In the latter cell type, DC-LAMP expression is also detected at the cell surface.

Model	STJ170006
Host	Mouse
Reactivity	Human, Sheep, Swine
Applications	FC
Immunogen	human DC-LAMP alkaline phosphatase fusion protein
Gene ID	27074
Gene Symbol	LAMP3
Tissue Specificity	Detected in tonsil interdigitating dendritic cells, in spleen, lymph node, Peyer's patches in the small intestine, in thymus medulla and in B-cells (at protein level). Expressed in lymphoid organs and dendritic cells. Expressed in lung. Up-regulated in carcinomas of the esophagus, colon, rectum, ureter, stomach,

breast, fallopian tube, thyroid and parotid tissues.

Purification	QMA Hyper D ion exchange chromatography
Note	For Research Use Only (RUO).
Protein Name	Lysosome-associated membrane glycoprotein 3 LAMP-3 Lysosomal-associated membrane protein 3 DC-lysosome-associated membrane glycoprotein DC LAMP Protein TSC403 CD antigen CD208
Molecular Weight	44.346 kDa
Clonality	Monoclonal
Conjugation	Alexa-fluor 647
Formulation	PBS 50% glycerol
Concentration	0.5 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14582OMIM:605883
Alternative Names	Lysosome-associated membrane glycoprotein 3 LAMP-3 Lysosomal-associated membrane protein 3 DC-lysosome-associated membrane glycoprotein DC LAMP Protein TSC403 CD antigen CD208
Function	May play a role in dendritic cell function and in adaptive immunity.
Cellular Localization	Lysosome membrane