

Product datasheet for **DDX0190A546-100**

LAMP3 Mouse Monoclonal Antibody [Clone ID: 104G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	104G4
Applications:	IF
Recommend Dilution:	IF
Reactivity:	Human, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	human DC-LAMP alkaline phosphatase fusion protein
Specificity:	human DC-LAMP (epitope in intracytoplasmic domain). Species cross-reactivity: Sheep
Formulation:	PBS 50% glycerol Label: Alexa Fluor 546
Concentration:	0.5 mg/ml
Purification:	QMA Hyper D ion exchange chromatography
Conjugation:	Alexa Fluor 546
Gene Name:	lysosomal associated membrane protein 3
Database Link:	Entrez Gene 27074 Human



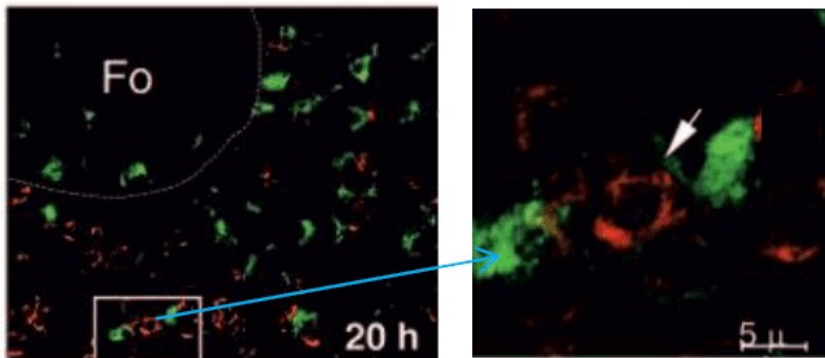
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Background:

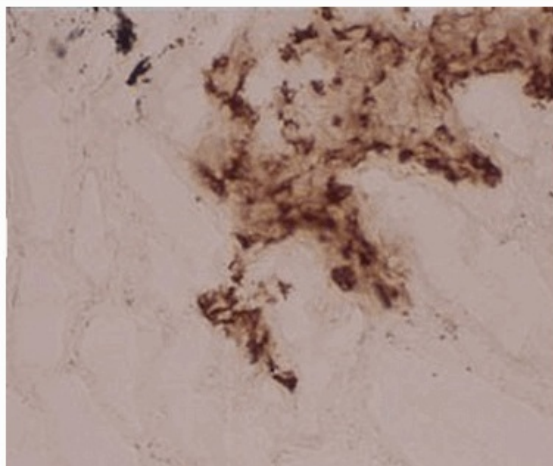
The dendritic cell lysosomal-associated membrane protein (DC-LAMP)/CD208 is a type I integral transmembrane glycoprotein mostly homologous to CD68, of about 45 kDa in mouse and 90 kDa in human (glycosylation), with a bipartite C-terminal structure divided by a serine/proline rich region, a transmembrane 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. (*de Saint-Vis B et al, 1998 ; Immunity ; 9:325-336*)

Synonyms:

DCLAMP, DC-LAMP, TSC403, Dendritic Cell Marker

Product images:*Sheep submaxillary lymph node cortex cryosection*

20h post GFP-SAO injection in the oral mucosa
CD11b (green) and 104.G4 (red)



IHC staining of human lung frozen section with
clone 104G4 (DX0190)