

Monoclonal Anti-human DC-LAMP/CD208

Product reference: DDX0193

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 the mouse and 90 kDa in human (due to extensive 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 DC 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*)

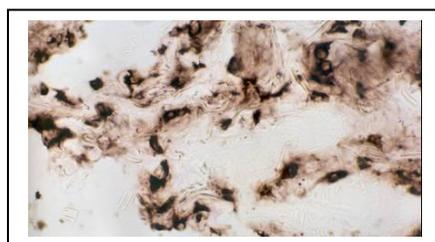
Clone: 109G3
Species : mouse
Specificity: human DC-LAMP (epitope in intracytoplasmic domain)
Immunogen: human DC-LAMP alkaline phosphatase fusion protein
Species cross-reactivity: nd
Isotype: IgG1
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: **Purified:** 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

| Reference N° | | Format | Application tested |
|----------------|-----------------|------------------------------|---------------------------|
| 50 µg | 100 µg | | |
| DDX0193P-50 | DDX0193P-100 | Purified | Intra Flow cytometry, IHC |
| DDX0193A488-50 | DDX0193A488-100 | Alexa-fluor® 488 | Intra Flow cytometry , IF |
| DDX0193A546-50 | DDX0193A546-100 | Alexa-fluor® 546 | IF |
| DDX0193A647-50 | DDX0193A647-100 | Alexa-fluor® 647 | Intra Flow cytometry |
| DDX0193B-50 | DDX0193B-100 | Biotin (<i>on request</i>) | Intra Flow cytometry, IHC |

Other clones available on request

Applications tested: IHC



Cryosection of human lung type II pneumocytes stained with purified 109G3+goat anti-mouse-HRP

Other application: Flow cytometry

Usage recommendation: *This monoclonal antibody may be used between 5-20 µg/ml.
 *Optimal dilution should be determined by each laboratory for each application.
 *Coupled antibody: to maintain RT before use.

Aliquot storage conditions: -20°C. **KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only