



Monoclonal Anti-mouse DC-LAMP/CD208

1/ 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.

Clone: 1010E1.01

Species: rat

Isotype: IgG2a

Immunogen: recombinant murine DC LAMP

Species cross-reactivity: human, cat, dog, sheep, mouse, camelids, ferret, bovine

Specificity: murine DC-LAMP (epitope in intracytoplasmic domain)

2/ STABILITY-CONSERVATION :

Aliquot storage conditions: -20°C. KEEP CONTENTS STERILE: no preservative.

Purified antibodies: avoid repeated freeze/thaw cycles

Coupled antibodies: glycerol protects from freezing.

Stable one year upon receipt

3/ AVAILABLE FORMATS:

| Reference N° 100 µg | Format | Application tested |
|------------------------|------------------------------|---------------------------------------|
| DDX0191P-100 | Purified | IHC paraffin (formol, Bouin) in human |
| DDX0191A488-100 | Alexa-fluor® 488 | Intra Flow cytometry, IF |
| DDX0191A546-100 | Alexa- fluor® 546 | IF |
| DDX0191A647-100 | Alexa- fluor® 647 | Intra Flow cytometry |
| DDX0191B-100 | Biotin (<i>on request</i>) | Intra Flow cytometry, IHC |

4/ USAGE RECOMMENDATION

This antibody may be used between 5-20 µg/ml.

Optimal dilution should be determined by each laboratory for each application.

Coupled antibody: to maintain room temperature before use

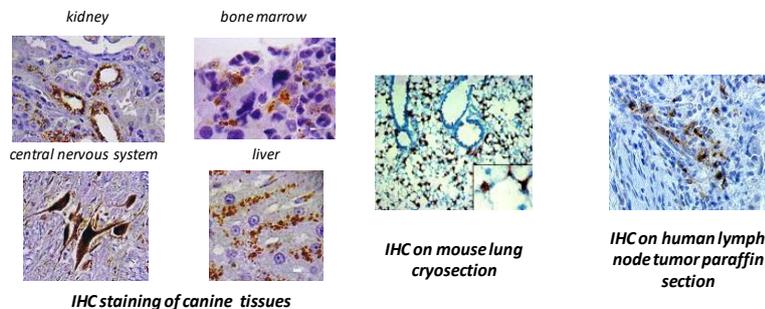
For R&D use only

5/ MATERIALS AND METHODS

Purification: QMA Hyper D ion exchange chromatography

Purified in Tris-NaCl pH8 and adjusted at 0.5mg/ml in PBS+ antibiotics

Coupled: 0.5mg/ml in PBS 50%glycerol+ antibiotics



6/ BIBLIOGRAPHY :

<http://www.dendritics.net/products/detail/ddx0191-1010e1.01>