

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human DC-LAMP in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human LAMP is observed.                                                                                                                                                      |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2A</sub> Clone # 530217                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human DC-LAMP<br>Asp21-Thr381<br>Accession # EAW78338                                                                                                                                                                       |
| <b>Conjugate</b>          | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

DC-LAMP (dendritic cell lysosome-associated membrane protein; also CD208 and LAMP3) is a member of the LAMP family of proteins. Mature human DC-LAMP is a 389 amino acid (aa) type I transmembrane protein. It can be variably glycosylated, and apparent sizes from 54kDa to 90 kDa have been reported. It has a 254 aa luminal N-terminus and a short 14 aa cytoplasmic tail. The molecule is found in type II pneumocytes, interdigitating DC, and various tumors. It may play a role in normal lysosome and endosome function. Over aa 21-381, human DC-LAMP shares 72% and 55% aa sequence identity with dog and mouse DC-LAMP, respectively.

#### PRODUCT SPECIFIC NOTICES

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