

## DESCRIPTION

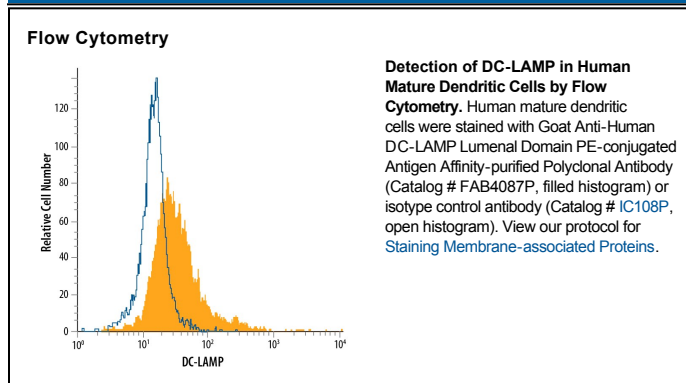
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human DC-LAMP Luminal Domain in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human LAMP is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human DC-LAMP Luminal Domain Asp21-Thr381 Accession # EAW78337
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

DC-LAMP (Dendritic Cell Lysosome-associated Membrane Protein; also known as CD208 and LAMP3) is a 50–70 kDa member of the LAMP family of proteins. Mature human DC-LAMP is a 389 amino acid (aa) type I transmembrane protein. 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. DC-LAMP serves as a marker of human mature DC, and it may play a role in normal lysosome and endosome function. Over the region used as immunogen, human DC-LAMP shares 72% and 55% aa sequence identity with canine and mouse DC-LAMP, respectively.