

DESCRIPTION

Species Reactivity	Human
Specificity	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.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DC-LAMP Luminal Domain Asp21-Thr381 Accession # EAW78337
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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 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.

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