

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DC-LAMP in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human LAMP is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 530217
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DC-LAMP Asp21-Thr381 Accession # EAW78338
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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.

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