

Human DC-LAMP Antibody

Monoclonal Mouse IgG_{2A} Clone # 530217 Catalog Number: MAB4087

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	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

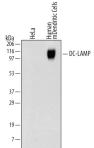
APPLICATIONS

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
Western Blot	2 μg/mL	See Below

DATA

Western Blot



Detection of Human DC-LAMP by Western Blot. Western blot shows lysates of in vitro differentiated human myeloid mature dendritic cells. PVDF membrane was probed with 2 $\mu g / m L$ of Mouse Anti-Human DC-LAMP Monoclonal Antibody (Catalog # MAB4087) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for DC-LAMP at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE			
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.		

- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

Rev. 2/7/2018 Page 1 of 1

