



Human Anti-Mouse LPAM-1 monoclonal Antibody, clone SFB568 [PE] (CABT-B11985)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Isotype	IgG1
Source/Host	Human
Species Reactivity	Mouse
Clone	SFB568
Conjugate	PE
Applications	FC
Format	Liquid
Size	30 µg in 1 ml
Buffer	Reagents are supplied in buffer containing stabilizer and 0.05% sodium azide.
Storage	Store protected from light at 2–8 °C. Do not freeze.

BACKGROUND

Introduction

It recognizes the mouse Peyer's patch adhesion molecule 1 (LPAM-1) antigen, a heterodimeric glycoprotein receptor, which is also known as $\alpha 14 \beta 27$ integrin. LPAM-1 is a cell surface adhesion molecule involved in lymphocyte trafficking and lymphocyte-cell and matrix interactions. It is expressed on T and B cells. Lymphocytes in spleen and mesenteric lymph nodes have low levels of LPAM-1 expression but can up-regulate their LPAM-1 expression on activation. Cellular ligands include vascular cell adhesion molecule 1 (VCAM-1) and the mucosal addressin cell adhesion molecule 1 (MAdCAM-1), which is present on high

endothelial venules of mucosal lymphoid organs. Interaction of LPAM-1 with MAdCAM-1 allows for tissue-specific migration of circulating lymphocytes into the lamina propria and Peyer patches of the gut. Additional information: It displays negligible binding to Fc receptors.

Keywords

LPAM-1; lymphocyte Peyer's patch HEV adhesion molecule-1; lymphocyte Peyer's patch HEV adhesion molecule; LPAM
