

Datasheet for ABIN2568299 **anti-ITGA4 antibody (APC)**



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Overview

Quantity:	0.1 mg
Target:	ITGA4
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	DATK32
Isotype:	IgG2a kappa
Specificity:	The DATK32 monoclonal antibody specifically reacts with an epitope of the Mouse $\alpha 4 \beta 7$ integrin (LPAM-1).
Purification:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Target Details

Target:	ITGA4
Alternative Name:	LPAM-1 (ITGA4 Products)
Background:	The DATK32 monoclonal antibody specifically reacts with an epitope of the Mouse $\alpha 4 \beta 7$ integrin (LPAM-1). The two subunits of the LPAM-1 heterodimer are the 154 kDa $\alpha 4$ and the 130 kDa $\beta 7$.

Target Details

Most mature lymphocytes, a subset of bone marrow cells, and some of the thymic cells express the $\alpha 4\beta 7$ integrin heterodimer. $\alpha 4\beta 7$ enhances the transendothelial migration of lymphocytes, and interacts with several ligands (fibronectin, CD106, and MAdCAM-1). The interaction of DATK32 with the $\alpha 4\beta 7$ induces the $\alpha 4\beta 7$ -dependent lymphocyte aggregation and inhibits LPAM-1-mediated cell adhesion.

Gene ID: 16401

UniProt: [Q00651](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 mg/mL

Buffer: Phosphate-buffered aqueous solution, $\leq 0.09\%$ Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: 4 °C

Storage Comment: The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.