

Datasheet for ABIN7278024 **anti-ITGA4 antibody (APC)**

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Overview

Quantity:	100 µg
Target:	ITGA4
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	DATK32
Isotype:	IgG2a kappa
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	ITGA4
Alternative Name:	LPAM-1 (ITGA4 Products)
Background:	The DATK32 antibody is specific for a combinatorial epitope of the mouse integrin alpha 4/beta 7 (LPAM-1) heterodimer. LPAM-1 is expressed on most mature lymphocytes and sub-

Target Details

populations of thymocytes and bone marrow cells. It is involved in lymphocyte adhesion and migration and is a receptor for several extracellular matrix proteins including VCAM-1, fibronectin, and MAdCAM-1. DATK32 is reported to induce LPAM-1 dependent lymphocyte aggregation and block adhesion to VCAM-1, fibronectin, and MAdCAM-1.

Gene ID: 311144, 25713

UniProt: [Q00651](#), [P26011](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Comment: 0.2 mg/mL

Restrictions: For Research Use only

Handling

Buffer: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C protected from light

Expiry Date: 12 months