

Product datasheet

Anti-Integrin alpha 4 antibody [ALC1/1] (PerCP)
ab91056

Overview

Product name	Anti-Integrin alpha 4 antibody [ALC1/1] (PerCP)
Description	Mouse monoclonal [ALC1/1] to Integrin alpha 4 (PerCP)
Host species	Mouse
Conjugation	PerCP. Ex: 482nm, Em: 675nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	AKR/Cum mouse spontaneous lymphoma line TK1.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	ALC1/1
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab91056** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab118658 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.
Sequence similarities	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
Domain	The SG1 motif is involved in binding to chondroitin sulfate glycosaminoglycan and cell adhesion.
Post-translational modifications	Phosphorylation on Ser-1027 inhibits PXN binding.
Cellular localization	Membrane.

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