

Datasheet for ABIN7543376

Recombinant anti-ITGA4 antibody



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Overview

Quantity:	200 µg
Target:	ITGA4
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This ITGA4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Blocking Reagent (BR), Inhibition Assay (InhA)

Product Details

Purpose:	Anti-Integrin alpha 4 [HP1/2], Rabbit IgG, kappa
Clone:	HP1-2
Isotype:	IgG kappa
Specificity:	This antibody specifically binds epitope B of the alpha 4 chain of human integrin alpha 4 (CD49d). Integrins alpha-4/beta-1 (VLA-4) acts as a receptor for fibronectin and VCAM1. VLA-4 is atypical because it is mostly restricted to lymphoid and myeloid cells, and indirect evidence had suggested that it might be involved in various cell-cell interactions. In addition, VLA-4 has been shown to mediate T and B lymphocyte attachment to the heparin II binding fragment of human plasma fibronectin (FN). This antibody is also reported to cross react with integrin alpha-4/beta-7 (α4β7).

Product Details

Cross-Reactivity:	Guinea Pig
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
Purification:	Protein A affinity purified

Target Details

Target:	ITGA4
Alternative Name:	Integrin alpha 4 (ITGA4 Products)
Background:	CD49d, VLA-4, $\alpha 4$, VLA4, ITGA4, $\alpha 4\beta 1$, $\alpha 4$ integrin, VLA4 heterodimer ($\alpha 4\beta 1$), Integrin alpha-4, Integrin alpha-IV, VLA-4 subunit alpha, CD49 antigen-like family member D, B1 integrin very late activation antigen-4
UniProt:	P13612
Pathways:	Integrin Complex

Application Details

Application Notes:	This antibody can be used for the immunoprecipitation of VLA-4 from cell lysates (PMID: 2430809). This antibody is also capable of detecting integrin alpha 4 expressed on the surface of Ramos cells by flow cytometry (PMID: 2430809, 1689216). This antibody can also block adherence of CTT leukocytes to recombinant soluble VCAM 1-coated plates in vitro (PMID: 7686922). This antibody can also block the interaction of VLA-4 with fibronectin. This antibody does not cause cell aggregation (PMID: 1709929). This antibody can bind soluble integrin alpha-4 in an ELISA. This antibody also inhibited the binding of PAF-stimulated eosinophils to MAdCAM-1 transfectants. This antibody also inhibited binding of unstimulated eosinophils to soluble recombinant human (rh)VCAM-1 and fibronectin (Fn) (PMID: 8911148).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.