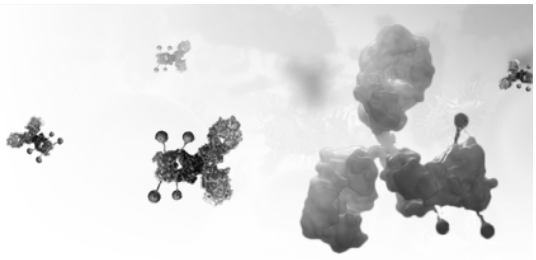

Anti-ITGA4 monoclonal antibody, clone QT/3 [PE] (DCABH-8237)

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

PRODUCT INFORMATION

Product Overview	Rat monoclonal to Integrin alpha 4 (Phycoerythrin)
Antigen Description	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.
Specificity	This antibody is specific to CD49d, the alpha4 chain of the VLA4 integrin heterodimer.
Immunogen	The details of the immunogen for this antibody are not available.
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Human
Clone	QT/3
Conjugate	PE
Applications	Functional Studies, IP, Flow Cyt
Format	Liquid
Size	50 µg
Buffer	Preservative: 0.09% Sodium Azide; Constituents: 16% Sucrose, PBS; stabilizing agent

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Preservative	0.09% Sodium Azide
Storage	Store at +4°C.

GENE INFORMATION

Gene Name	ITGA4 integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) [Homo sapiens]
Official Symbol	ITGA4
Synonyms	ITGA4; integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor); CD49D; integrin alpha-4; CD49d; 269C wild type; integrin alpha 4; integrin alpha-IV; VLA-4 subunit alpha; integrin alpha-4 subunit; CD49 antigen-like family member D; antigen CD4
Entrez Gene ID	3676
Protein Refseq	NP_000876
UniProt ID	P13612
Chromosome Location	2q31-q32
Pathway	Adaptive Immune System, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem;
Function	fibronectin binding; protein binding; receptor activity;

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