



Anti-ITGA6 monoclonal antibody, clone NKI-GoH3 [R-PE] (CABT-46421RH)

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

PRODUCT INFORMATION

Product Overview

Rat anti Human CD49f antibody, clone NKI-GoH3 recognizes CD49F (VLA-6 alpha chain), a 120kD cell surface glycoprotein that can form distinct complexes with CD29 (VLA beta-chain), resulting in the VLA-6 (alpha-6 beta-1) complex, which is expressed on human platelets, or with the beta-4 integrin resulting in the alpha-6 beta-4 complex which is expressed on various human epithelial cells. Clone NKI-GoH3 reacts with platelets, megakaryocytes, T lymphocytes and common Acute Lymphoblastic Leukaemia cells (alpha-6 beta-1). In immunohistology the monoclonal antibody reacts with epithelial cells of a variety of tissues, peripheral nerves, microvascular endothelial cells, placenta cyto- and syncytiotrophoblasts. VLA-6 is an important mediator of cell binding to laminin. Studies suggest that clone NKI-GoH3 specifically blocks the binding of cells to the E8 fragment of laminin. Flow Cytometry Use 10ul of the suggested working dilution to label 106 platelets in 100ul.

Specificity	ITGA6
Immunogen	BALB/c mouse mammary tumour cells.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Human, Cynomolgus monkey, Dog, Mouse, Pig, Sheep
Clone	NKI-GoH3
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised.

Size	100 µg
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ITGA6 integrin, alpha 6 [Homo sapiens (human)]
Official Symbol	ITGA6
Synonyms	ITGA6; integrin, alpha 6; CD49f; VLA-6; ITGA6B; integrin alpha-6; integrin alpha6B; CD49 antigen-like family member F;
Entrez Gene ID	3655
Protein Refseq	NP_000201
UniProt ID	P23229
Chromosome Location	2q31.1
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Arf6 trafficking events; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Assembly of collagen fibrils and other multimeric structures; Basigin interactions; CXCR4-mediated signaling events; Cell adhesion molecules (CAMs);
Function	integrin binding; laminin binding; metal ion binding; protein binding;