

Product datasheet for **SM038R**

Integrin alpha 6 (ITGA6) Rat Monoclonal Antibody [Clone ID: NKI-GoH3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NKI-GoH3
Applications:	FC
Recommended Dilution:	Flow Cytometry: Neat - 1/5; Use 10µl of the suggested working dilution to label 10e6 platelets in 100µl.
Reactivity:	Canine, Human, Monkey, Mouse, Porcine
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	BALB/c mouse mammary tumour cells. Spleen cells from immunised Sprague-Dawley rats were fused with cells of the SP2/0 mouse myeloma cell line.
Specificity:	This antibody recognises CD49F (VLA-6 alpha chain). 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 GoH3 specifically blocks the binding of cells to the E8 fragment of laminin. We recommend the use of SM038A for this purpose.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE State: Lyophilized purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water.
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 6

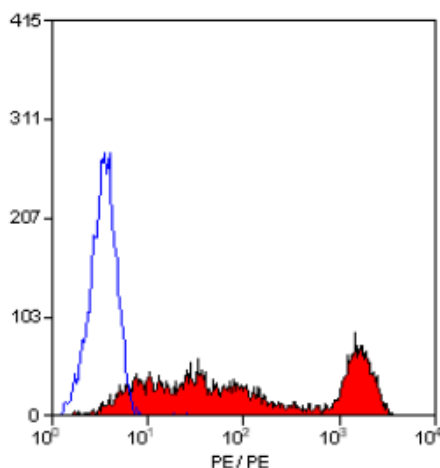

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Database Link: [Entrez Gene 3655 Human P23229](#)

Background: CD49F (VLA-6 alpha chain) is 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).

Synonyms: Integrin alpha-6, VLA-6, VLA6

Product images:



Staining of human peripheral blood lymphocytes with RAT ANTI HUMAN/MOUSE CD49f (SM038R).