

Product datasheet for **SM038PS**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	NKI-GoH3
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry. Immunohistochemistry on Frozen Sections. <i>Recommended Positive Control Tissue:</i> Human Tonsil. Immunoprecipitation.
Reactivity:	Canine, Human, Monkey, Mouse, Porcine, Sheep
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 the CD49f-antigen, (VLA-6 alpha-chain). This antibody reacts with platelets, megakaryocytes, T lymphocytes and common Acute Lymphoblastic Leukaemia cells (alpha-6 beta-1). In Immunohistology this clone reacts with epithelial cells of a variety of tissues, peripheral nerves, microvascular endothelial cells, placenta cyto- and syncytiotrophoblasts. Platelet VLA-6 functions as a laminin receptor. This clone has been reported to inhibit platelet adhesion to Laminin. (3)
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 6
Database Link:	Entrez Gene 3655 Human P23229
Background:	CD49f can form distinct complexes with either the CD29-antigen (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.
Synonyms:	Integrin alpha-6, VLA-6, VLA6