

Product datasheet for **SM804R**

Integrin alpha 6 (ITGA6) Mouse Monoclonal Antibody [Clone ID: Mab-5A]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Mab-5A
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 10 ⁶ cells in 100 µl.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat oesophageal carcinoma cell line B2T. Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity:	This CD49f antibody, clone Mab-5A recognizes Rat CD49f, also known as Integrin alpha-6, VLA-6 or CD49 antigen-like family member F. CD49f is a 1130 amino acid ~130 kDa single pass type 1 transmembrane glycoprotein which functions as a receptor for laminin when in association with either beta-1 or beta-4 integrins on platelets and epithelial cells respectively. Clone Mab-5A does not react with Rat fibroblasts.
Formulation:	PBS Label: PE State: Purified State: Lyophilized purified IgG fraction Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore with 1.0ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 6
Database Link:	P23229
Background:	CD49f is a 120 kD integrin family member, also known as VLA-6 alpha chain and alpha6 integrin subunit. CD49f associates with either integrin beta1 (CD29) or integrin beta4 (CD104) to form receptors (VLA-6 or alpha6 beta4 complex) for laminin and kalinin. CD49f is expressed on platelets, monocytes, T cells, placental trophoblasts, epithelial and endothelial cells. CD49f is involved in adhesion and can act as a co-stimulatory molecule for T cell activation and proliferation.
Synonyms:	Integrin alpha-6, VLA-6, VLA6