



**RAT ANTI-MOUSE INTEGRIN VLA-6 $\alpha 6$ ($\alpha 6\beta 1$ and $\alpha 6\beta 4$, LAMININ RECEPTORS)
MONOCLONAL ANTIBODY NON-BLOCKING**

CATALOG NUMBER: MAB1982

LOT NUMBER:

QUANTITY: 100 μ g

CONCENTRATION: 1 mg/mL

SPECIFICITY: Reacts with the laminin receptor $\alpha 6\beta 1$ and $\alpha 6\beta 4$ complexes.

ISOTYPE: IgG2/ κ

CLONE: MA6

APPLICATIONS: Immunoprecipitation, flow cytometry, immunohistochemistry in frozen tissue sections. Product does not detect $\alpha 6$ in Western blot since the epitope most likely involves both $\alpha 6$ and $\beta 1$ integrin subunit. Product does not block $\alpha 6$ integrin mediated cell adhesion to laminin. Activation of integrin signaling properties by MA6 has not been characterized. Immunoprecipitation of VLA-6 from lysate of 10^6 cell equivalent requires 2 μ g of MA6. Recommended concentration for flow cytometry - 10 μ g/mL, staining of frozen tissue sections - 20 μ g/mL. Optimal working dilutions must be determined by end user.

Cell lines tested by using MA6 to express $\alpha 6$ integrins include: mouse bone marrow-derived mast cells, melanoma cell line B16F1, squamous carcinoma SCC-VII, fibroblast cell line NIH-3T3, splenic T lymphocytes, thymocytes and various T cell lines.

SPECIES REACTIVITIES: Mouse

FORMAT: Purified immunoglobulin from Protein A chromatography

PRESENTATION: Liquid in 0.02M Phosphate buffer, pH 7.6, with 0.25M NaCl and 0.1% sodium azide.

STORAGE/HANDLING: Store at $+2-8^{\circ}$ C in undiluted aliquots for up to 12 months.

REFERENCE: Sherry D.M. and P. Proske, *Graefe's Arch. Clin. Exp. Ophthalmol.* (2001) **239**:278-287.



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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