

**ANTIGENIX AMERICA Inc.**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

**ANTI-RAT CD49a (Integrin Alpha-1)**

Anti-CD49A

PRODUCT NUMBER MR491120

Purified

0.12 mg

**ANTIGEN DISTRIBUTION AND SPECIFICITY:**

Mouse monoclonal antibodies specific for Rat CD49a, the Alpha-1 Integrin. The CD49a antigen forms a heterodimer with the CD29 antigen ( Beta-1 Integrin) and is involved in cellular adhesion. This antibody inhibits adhesion to collagen and laminin.

**CLONE:**

Anti-Rat CD49a clone 3A3, Ig chain composition: Mouse IgG1  
Immunogen: Neural cell line PC12

**HANDLING AND STORAGE:**

All reagents supplied as liquid preparations. Purified antibody should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. All reagents in a liquid state should be stored at 2-8° C when not in use. CAUTION: Contains 0.1% sodium azide.

For long-term storage, freeze small aliquots (unconjugated form only), undiluted. Avoid repeat freeze-thaw cycles.

**PRODUCT USE:**

For flow cytometry use 10 uL of purified reagent (1-2 ug) per test ; For immuno-histochemistry, Purified Anti-Rat CD49a should be diluted, (approx. 1:50) using enough reagent to cover the tissue section or cytoprep.

**Reactivity in frozen tissue (1:50 - 1:100)** has been observed. (Not tested in paraffin-embedded tissue). As second antibody, use ANTIGENIX goat anti-Mouse Igs (FITC, or PE or Biotin conjugates (cat. #s F200035, F200070, F200065, respectively).

**Immunoprecipitation and Western Blot (Non-reducing conditions) have been achieved.**

**FOR RESEARCH USE ONLY. NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.**