



## MOUSE ANTI-HUMAN LAMININ ( $\alpha$ 5-CHAIN) MONOCLONAL ANTIBODY

<b>CATALOG NUMBER:</b>	MAB1924
<b>LOT NUMBER:</b>	
<b>QUANTITY:</b>	100 $\mu$ L
<b>SPECIFICITY:</b>	Reacts with the globular domain of the $\alpha$ 5 chain of intact laminin and blocks the neurite stimulating activity of laminin. This antibody was originally thought to recognize laminin alpha 1 or A, but further characterization has confirmed its specificity for the laminin alpha 5 chain [see Tiger, C.F. (1997) J. Biol. Chem. 272: 28590].
<b>IMMUNOGEN:</b>	Purified human laminin
<b>CLONE:</b>	4C7
<b>ISOTYPE:</b>	IgG <sub>2a</sub>
<b>APPLICATIONS:</b>	ELISA (50% maximal binding to human laminin): $\geq$ 1:11,000. Immunofluorescence - tissue staining pattern is most consistent with that observed for laminin $\alpha$ 5 in the mouse <sup>5</sup> Affinity chromatography Immunoprecipitation Does not work for Western blotting Optimal working dilutions must be determined by end user.
<b>SPECIES REACTIVITIES:</b>	No cross-reactivity is observed to mouse or rat laminin.
<b>FORMAT:</b>	Ascites, unpurified, no preservatives.
<b>PRESENTATION:</b>	Liquid
<b>STORAGE/HANDLING:</b>	Maintain at -20°C. Avoid repeated freeze/thaw cycles.



## REFERENCES:

1. Tiger, C.F., et al (1997) *J. Biol. Chem.* **272**: 28590-5.
2. Engvall, E., et al. (1986) *J. Cell Biol.*, **103**:2457.
3. Engvall, E., et al. (1990) *Cell Regulation*, **1**:731.
4. Mundegar, R., et al. (1995) *Muscle & Nerve*, **18**:992-999.
5. Miner, J.H., et al. (1997) *J. Cell Biol.*, **137**:685-701.
6. Marbini, A., et al. (1997) *Acta Neuropathol*, **94**:103-108.
7. Tiger, C.F. (1997) *J. Biol. Chem.* **272**: 28590-28595.
8. Sewry, C.A., et al. (1995) *Neuromusc. Disord.* **5(4)**: 307-316.
9. Taylor, J. et al. (1997) *Neuromusc. Disord.* **7**: 211-216.
10. Noam, I. et al. (1997) *Hum Genet.* **99**: 535-540.
11. Noam, I. et al. (1997) *Neuromusc. Disord.* **7**: 176-179.
12. Sewry, C.A. et al. (1995) *Histochemical Journal* **27**: 497-504
13. Sewry, C.A. et al. (1997) *Neuromuscular Disorders* **7**: 169-175.

**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  $\mu$ 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.*

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2011: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.