



MOUSE ANTI-ANGIOTENSIN-CONVERTING ENZYME (ACE) (CD143) MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB4051	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
SPECIFICITY:	Angiotensin-converting enzyme [ACE] (N-terminal)		
IMMUNOGEN:	Angiotensin-converting enzyme from human lung		
ISOTYPE:	IgG ₁		
CLONE NAME:	9B9		
APPLICATIONS:	Immunohistochemistry ^(1,2,3) : 1:1,000 on fresh frozen or 4% paraformaldehyde fixed tissues. Does not work on paraffin embedded tissue. Immunocytochemistry: 1:100. Reacts with endothelial cell, macrophages (activated) and THP1 cells (monocyte line). Immunoblotting: 1:100 Immunoprecipitation: 1:1,000-1:10,000 ELISA ^(13,14) : 1:1,000 Visualization of lung vessels ^(4,5,6) Antibody mediated drug delivery into the lung ^(7,8,9,10) Estimation of lung vessel injury ^(11,12) Structure-function of ACE ⁽¹⁵⁾ Optimal working dilutions must be determined by the end user.		
SPECIES REACTIVITIES:	Human, monkey, rat, hamster and feline.		
FORMAT:	Purified immunoglobulin		
PRESENTATION:	Liquid in PBS, pH 7.4, 150 mM NaCl containing 0.05% sodium azide.		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.		

***Now Available – Angiotensin Converting Enzyme ELISA Assay
Catalog Number ACE100
Contact Millipore for further information***



REFERENCES:

1. *Histochemistry* (1987) **87**:487-490.
2. *Hypertension* (1995) **25**:219-226.
3. *J. Clin. Invest.* (1995) **96**:1823-1833.
4. *J. Nucl. Med.* (1989) **30**:1686-1692.
5. *J. Nucl. Med.* (1988) **29**:1951-1958.
6. *Nucl. Med. Biol.* (1993) **20**:435-441.
7. *Lab. Invest.* (1991) **64**:118-124.
8. *J. Nucl. Med.* (1994) **35**:1358-1365.
9. *Int. Immunol.* (1994) **6**:1153-1160.
10. *PNAS.USA* (1996) **93**:5213-5218.
11. *J. Nucl. Med.* (1991) **32**:453-460.
12. *Lung* (1992) **170**:349-358.
13. *J. Immunol. Methods.* (1990) **132**:263-273.
14. *J. Hypertension* (1996) **14**: 719-727.
15. *J. Biol. Chem.* (1994) **269**:26806-26814.
16. *Hypertension* (1999) **33**:732-739.
17. *Petrov, V., et al., J Renin-Angiotensin-Aldosterone System* (2000) **1**:342-352.

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.

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.