Antibodies

Data Sheet

MALONDIALDEHYDE (MDA)

ANTIBODY, POLYCLONAL

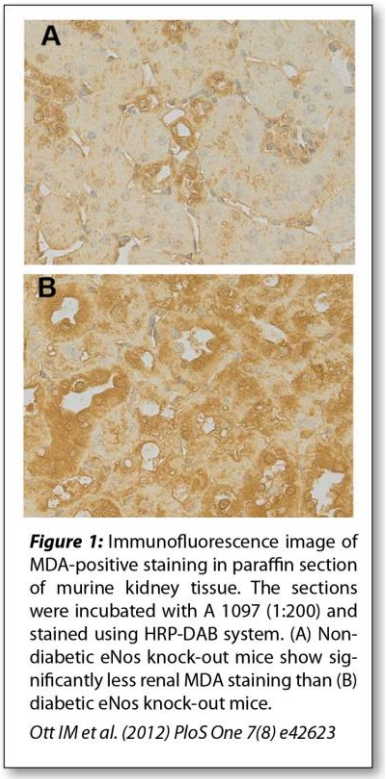

Figure 1: Immunofluorescence image of MDA-positive staining in paraffin section of murine kidney tissue. The sections were incubated with A 1097 (1:200) and stained using HRP-DAB system. (A) Non-diabetic eNos knock-out mice show significantly less renal MDA staining than (B) diabetic eNos knock-out mice.

Ott IM et al. (2012) PloS One 7(8) e42623

Catalog no.:	A 1097.1 / A 1097.2
Immunogen:	Malondialdehyde-modified KLH
Host:	Goat
Matrix:	Serum, 0.09% NaN_3
Specificity:	MDA-LDL and other MDA-modified proteins
Contents:	20 µl / 100 µl (lyophilized) Resuspend in 20 µl / 100 µl aqua bidest.
Known applications:	ELISA, Western Blot (range 1:200-80 000 for both applications), immunohistochemistry (paraffin sections, 1:200; cryosections)[1, 2, 3] The antibody can be used for detection of MDA in plasma, lipoproteins and other MDA modified proteins.

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided

References:

1. Boehnert MU, Hilbig H, Armbruster FP (2005). Relaxin as an Additional Protective Substance in Preserving and Reperfusion Solution for Liver Transplantation, Shown in a Model of Isolated Perfused Rat Liver. *Annals of the New York Academy of Sciences* **1041**(1)**:** 434-440.

2. Ott IM, Alter ML, von Websky K, Kretschmer A, Tsuprykov O, Sharkovska Y, Krause-Relle K, Raila J, Henze A, Stasch J-P, Hocher B (2012). Effects of Stimulation of Soluble Guanylate Cyclase on Diabetic Nephropathy in Diabetic eNOS Knockout Mice on Top of Angiotensin II Receptor Blockade. *PLoS ONE* **7**(8): e42623.

3. Alter ML, Kretschmer A, Von Websky K, Tsuprykov O, Reichetzeder C, Simon A, Stasch JP, Hocher B (2012). Early urinary and plasma biomarkers for experimental diabetic nephropathy. *Clin Lab* **58**(7-8)**:** 659-671.

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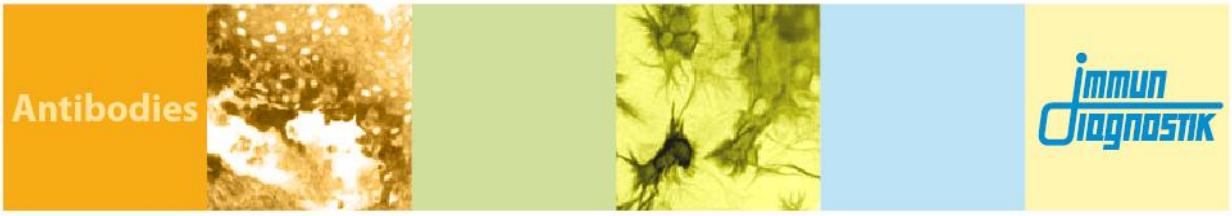

For research use only

Publishing research using A 1097? Please let us know so that we can cite your publication as a reference.

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