Anti HEL monoclonal antibody: (5H4)

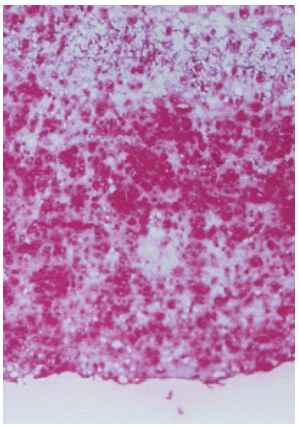
Code: **MHL-020P**
(20μg of IgG, Lyophilized powder)

Source: **Mouse**

Immunogen: N epsilon hexanoyl-Keyhole limpet hemocyanin (HEL-KLH)

Subclass: IgG

Application: Immunohistochemistry.
Recommended antibody concentration is 2 micro gram/mL
On paraformaldehyde fixed tissue.



Detection of HEL at Human atherosclerotic lesions.Photo: kindly provided by Dr. Naito

Reconstitution: Dissolve in 200 μ L of distilled water.

Buffer Concentration: 100 μ g/mL IgG in 10mM Phosphate buffered saline, pH7.4 containing 1.0% BSA and 5%Sucrose and 0.05%Procline950.

Specificity: Specific to Hexanoyl-Lys adducts
MDA,glyoxal,methylglyoxal,1-hexanal,2-hexanal,1-nonenal,2-nonenal,4-hudroxy-2-nonenal

Storage: Store at less than -20℃.
Avoid repeated freeze & thaw after reconstitution.
For short term storage or transport, storage at 4℃ is acceptable.

Stability: 3 years at -20℃

References:

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2) Detection of lipid hydroperoxide-derived protein modification with polyclonal antibodies.
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Methods in Molecular Biology, vol. 186, Oxidative stress biomarkers and antioxidant protocols, D Armstrong, Ed., Human Press Inc., NJ, USA, p37-44
3) Preparation of a monoclonal antibody to Nε-(hexanonyl) lysine: applycation to the evaluation of protective effects of flavonoid supplementation against exercise-induced oxidative stress in rat skeletal muscle.
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4) The protective effects of tetrahydrocurcumin on oxidative stress in cholesterol-fed rabbits.
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5) Formation of Nepsilon-(hexanonyl)lysine in oxidized human very-low density lipoprotein.
H. Arai, Y. Kato, K. Fukunaga, S. Mohri, and K. Nakamura
J. Electrophoresis 48, p37-40 (2004)
6) Patent No.P3811911 (Japan)

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