Anti HEL monoclonal antibody: (5F12)

Code: **NNS-MHL-021P-EX**
(20μg of IgG, Lyophilized powder)

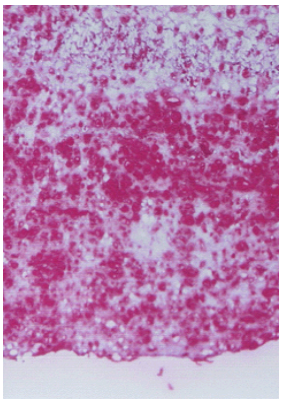
Source: **Mouse**

Immunogen: Hexanoyl modified keyhole limpet hemocyanine

Subclass: Mouse IgG 1kappa

Application: Immunohistochemistry.
(Recommended antibody concentration : 2 ug /mL)
western blotting and ELISA.

Reconstitution: Dissolve in 200 μ L of distilled water.



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

Buffer Concentration: Anti HEL monoclonal antibody 100 μ g/mL * 200 μ L （PBS pH7.4）
Containing sucrose (5%) and BSA （1%）.

Specificity: Cross reactivity is checked for following loxidized lipids :
MDA, glyoxal, methylglyoxal, 1-hexanal, 2-hexenal, 1-nonannal, 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: 5 years at -20℃

References:

1. Yoji Kato, Yoshiaki Miyake, Kanefumi Yamamoto, Yoshiharu Shimomura, Hirotomo Ochi, Yoko Mori, Toshihiko Osawa.: 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. Biochem. Biophys. Res. Commun., Vol. 274(2), p389-393, 2000
2. Yoji Kato, Yoko Mori, Yuko Makino, Yasujiro Morimitsu, Sadayuki Hiroi, Toshitsugu Ishikawa and Toshihiko Osawa: Formation of N ε -(Hexanonyl) lysine in protein exposed to lipid hydroperoxide. The Journal of Biological Chemistry Vol. 274(29), p20406-20414, 1999
3. Yoji Kato and Toshihiko Osawa: Detection of lipid hydroperoxide-derived protein modification with polyclonal antibodies. Methods in Enzymology, Vol. 186, p37-44

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TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN
http://www.cosmobio.co.jp/index_e.asp E-mail: export@cosmobio.co.jp
Phone : +81-3-5632-9617 FAX : +81-3-5632-9618