

**AM33185PU-S****Monoclonal Antibody to Hexanol-Lysine (HEL) - Purified**

<b>Quantity:</b>	20 µg
<b>Uniprot ID:</b>	<a href="#">Q9XZV3</a>
<b>NCBI:</b>	<a href="#">6047</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	AM03095PU-N
<b>Clone:</b>	5F12
<b>Immunogen:</b>	N <sup>epsilon</sup> (hexanoyl)-lysine KLH-coupled
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction <b>Buffer System:</b> 10 mM PBS pH 7.4 <b>Preservatives:</b> 0.05% Procline 950 <b>Stabilizers:</b> 5% Sucrose, 1% BSA <b>Reconstitution:</b> Restore in aqua bidest to initial volume.
<b>Applications:</b>	<b>ELISA (Ref.1).</b> <b>Western Blot.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 2 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

<b>Specificity:</b>	This antibody recognizes Hexanoyl-lysine. N <sup>epsilon</sup> (heptanoyl)-lysine is weakly recognized. There was no cross reactivity obtained with Benzoyl-glycyl-L-lysine, Malondialdehyde, Glyoxal, methyl Glyoxal, 1-Hexanal, 2-Hexenal, 1-Nonanal, 2-Nonenal, 4-hydroxy-2-Nonenal.
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Kato Y, Miyake Y, Yamamoto K, Shimomura Y, Ochi H, Mori Y, et al. Preparation of a monoclonal antibody to N(epsilon)-(Hexanonyl)lysine: application to the evaluation of protective effects of flavonoid supplementation against exercise-induced oxidative stress in rat skeletal muscle. <i>Biochem Biophys Res Commun.</i> 2000 Aug 2;274(2):389-93. PubMed PMID: 10913348.