

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

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

Quantity:	20 µg
Uniprot ID:	Q9XZV3
NCBI:	<u>6047</u>
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	5F12
Immunogen:	N ^{epsilon} (hexanoyl)-lysine KLH-coupled
Format:	State: Lyophilized purified IgG fraction Buffer System: 10 mM PBS pH 7.4 Preservatives: 0.05% Procline 950 Stabilizers: 5% Sucrose, 1% BSA Reconstitution: Restore in aqua bidest to initial volume.
Applications:	ELISA (Ref.1). Western Blot. Immunohistochemistry on Paraffin Sections: 2 µg/ml.
	Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Hexanoyl-lysine. N ^{epsilon} (heptanonyl)-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.
Storage:	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.
General Readings:	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. Biochem Biophys Res Commun. 2000 Aug 2;274(2):389-93. PubMed PMID: 10913348.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.