

## Product datasheet

# Anti-Carboxymethyl Lysine antibody [NF-1G] ab30917

★★★★☆ 1 Abreviews 2 References 1 图像

### 概述

产品名称	Anti-Carboxymethyl Lysine抗体[NF-1G]
描述	小鼠单克隆抗体[NF-1G] to Carboxymethyl Lysine
宿主	Mouse
特异性	This antibody is suitable for the detection of N Epsilon (Carboxymethyl) Lysine (CML) in tissues and tissue extracts.
经测试应用	适用于: ELISA, IHC-Fr, IHC-P
种属反应性	与反应: Species independent
免疫原	N Epsilon (Carboxymethyl) Lysine (CML)-HSA.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Ascites in stabilized buffer, containing 50% Block Ace (Casein-containing solution) and 0.1% ProClin as a preservative.
纯度	Protein G purified
克隆	单克隆
克隆编号	NF-1G
同种型	IgG1

### 应用

Our [Abpromise guarantee](#) covers the use of **ab30917** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		Use a concentration of 0.1 - 0.5 µg/ml.
IHC-Fr		Use a concentration of 2 µg/ml.

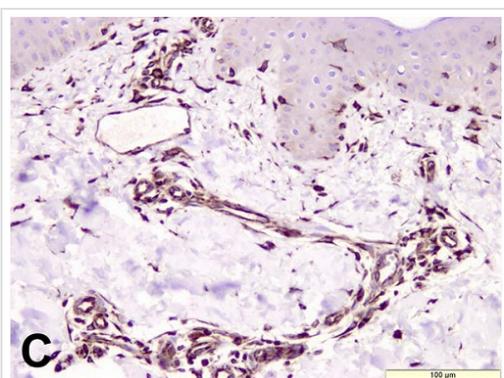
应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.

## 靶标

## 相关性

N epsilon carboxymethyl lysine (CML or Carboxymethyl Lysine) is formed by the non enzymatic Schiff base reaction of glucose with proteins, followed by an Amadori rearrangement and oxidation that leaves only a carboxymethyl group attached to the lysine. The levels of CML adducts accumulate over time and have been used as an indicator of both serum glucose levels and oxidative protein damage. Elevated serum CML modified proteins have been associated with diabetes and may contribute to diabetic retinopathy, nephropathy and angiopathy.

## 图片



ab30917 staining Carboxymethyl Lysine in Human skin tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formalin and embedded in paraffin. Samples were incubated with primary antibody (1/125 in PBS + 1% BSA) for overnight at 4°C. A Biotin-conjugated secondary was used with DAB visualisation the samples were then counterstained with haematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxymethyl Lysine antibody [NF-1G] (ab30917)

Image from Crisan Met al., PLoS One. 2013;8(10):e75003. Fig 2.; doi: 10.1371/journal.pone.0075003.

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