

Product datasheet

Anti-Carboxymethyl Lysine antibody [CMS-10] ab30922

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Overview

Product name	Anti-Carboxymethyl Lysine antibody [CMS-10]
Description	Mouse monoclonal [CMS-10] to Carboxymethyl Lysine
Host species	Mouse
Tested applications	Suitable for: ELISA, IHC-Fr, IHC-P
Species reactivity	Reacts with: Species independent
Immunogen	N epsilon (Carboxymethyl) Lysine (CML) conjugated to KLH.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Proclin Ascites in stabilized buffer, containing 50% Block Ace (Casein-containing solution) and 0.1% ProClin as a preservative.
Purity	Protein G purified
Clonality	Monoclonal
Clone number	CMS-10
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab30922** in the following tested applications.

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

Application	Abreviews	Notes
ELISA		Use a concentration of 0.1 - 0.5 µg/ml.
IHC-Fr		Use a concentration of 2 µg/ml.

Application	Abreviews	Notes
IHC-P	★ ★ ★ ★ ★	Use at an assay dependent concentration.

Target

Relevance

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.

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