abcam

Product datasheet

AGE-BSA ab51995

18 References　画像数 1

製品の詳細

製品名	AGE-BSA
精製度	> 98 % SDS-PAGE.
発現系	Native
アクセッション番号	P02769
タンパク質長	Full length protein
Animal free	No
由来	Native
生物種	Cow
予測される分子量	67 kDa
製品の詳細	Native Cow AGE protein

特性

Our **Abpromise guarantee** covers the use of **ab51995** in the following tested applications.

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

アプリケーション	SDS-PAGE
製品の状態	Liquid
備考	This product is manufactured by BioVision, an Abcam company and was previously called 2221 AGE-BSA. 2221-10 is the same size as the 10 mg size of ab51995. May precipitate during extended storage. Sonicate to solubilize the precipitates. The AGE modified BSA was produced by reacting BSA with glycolaldehyde under sterile conditions followed by extensive dialysis and purification steps. Fluorescence of AGEs was confirmed by fluorescence spectrophotometry with Ex./Em. = 370/440 nm. Glycated BSA shows a 7000% increase in fluorescence in compared to control BSA.

前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Constituent: 98% PBS

関連情報

関連性

The non enzymatic reaction of reducing carbohydrates with lysine side chains and N terminal amino groups of macromolecules (amino acids, proteins, phospholipids and nucleic acids) is called the Maillard reaction or glycation. The latter products of this process, termed advanced glycation end products (AGEs), adversely affect the functional properties of proteins, lipids and DNA. In long lived tissue proteins, these chemical modifications accumulate with age and may contribute to the pathophysiology of ageing and long term complications of diabetes, atherosclerosis and renal failure.

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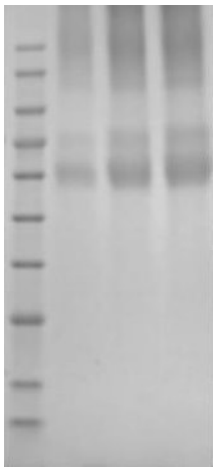
画像



SDS-PAGE - AGE-BSA (ab51995)

4-20% SDS-PAGE of AGE-BSA: 10, 15 and 20 ug of AGE-BSA loaded in each lane under reducing conditions and stained with Coomassie Blue. AGE-BSA has a predicted MW of ~ 66.5 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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