

*Advanced glycation end product-BSA***DESCRIPTION**

Advanced glycation end products (AGEs) are formed from the nonenzymatic reaction of amino groups with reducing sugars. AGEs have been implicated in diseases, such as diabetes mellitus, non-diabetic nephropathy, macrovascular disease, Alzheimer's disease, cataract, and aging. AGE receptors, such as the receptor for AGE (RAGE), mediate biological responses to AGEs, including endocytic uptake and degradation and induction of cytokines and growth factors.

Advanced glycation end products of Bovine serum albumin (AGE-BSA) are produced by incubating BSA with glucose, followed by extensive dialysis.

Fluorescence of AGEs was confirmed by fluorescence spectrophotometry with Ex./Em. = 370/440 nm. Glycated BSA shows a 7000% increase in fluorescence compared to control BSA. BSA 10 mg/ml in PBS (Tribioscience, Cat. No TBS5074-BSA) can be used as a control for AGE-BSA.

PURITY

>98%

PREDICTED MOLECULAR WEIGHT

67 kDa

KIT SIZE: 10MG

Form: 0.22 µm filter sterilized liquid. Supplied in 1X PBS (10 mg/ml).

Storage conditions: Store the kit at -20°C, protected from light.
Shelf life: 24 months.

RELATED PRODUCTS:

1% BSA in PBS (TBS5074)
2% BSA in PBS(TBS5048)
5% BSA in TBSTPBS-1x (TBS5003)
BSA Standard solution (TBS5002)
Protein Assay kit (TBS2005)
Cell Lysis Buffer(10x) (TBS5001)

For research use only.