

Human Advanced Glycation End Products (AGEs) ELISA Kit | AGEs elisa kit

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CATALOG #
AAA331146

REACTIVITY
Human

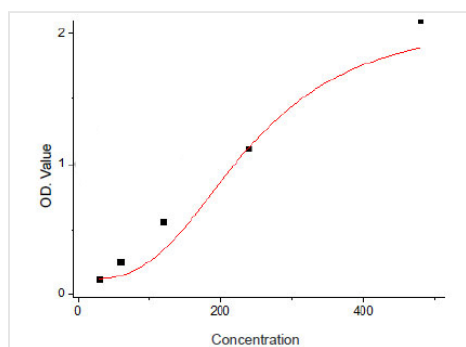
PRODUCT SYNONYMS

Advanced Glycation End Products (AGEs); Human Advanced Glycation End Products (AGEs) ELISA Kit; AGEs elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Advanced Glycation End Products (AGEs) ELISA Kit has high sensitivity and excellent specificity for detection of Human AGEs. No significant cross-reactivity or interference between Human AGEs and analogues was observed.
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	30 pg/mL - 480 pg/mL
Sensitivity	< 1.0 pg/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGEs elisa kit	Background: Advanced Glycation End products (AGEs) are the result of a chain of chemical reactions after an initial glycation reaction. The intermediate products are known, variously, as Amadori, Schiff base and Maillard products, named after the researchers who first described them. Side products generated in intermediate steps may be oxidizing agents or not. "Glycosylation" is sometimes used for "glycation" in the literature, usually as 'non-enzymatic glycosylation.' AGEs may be formed external to the body (exogenously) by heating (e.g., cooking) sugars with fats or proteins; or inside the body (endogenously) through normal metabolism and aging. Principle of the Assay: Human Advanced Glycation End Products (AGEs) ELISA Kit employs a two-site sandwich ELISA to quantitate AGEs in samples. An antibody specific for AGEs has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGEs present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human AGEs detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of AGEs bound in the initial step. The color development is stopped and the intensity of the color is measured.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/advanced-glycation-end-products-ages/331146>