

Human Tryptophan ELISA Kit

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CATALOG #
AAA31511

REACTIVITY
Human

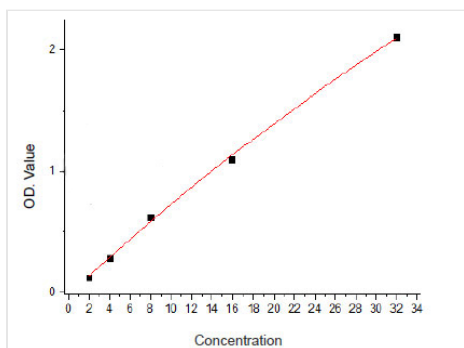
PRODUCT SYNONYMS

Tryptophan; Human Tryptophan ELISA Kit; Tryptophan elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tryptophan ELISA Kit has high sensitivity and excellent specificity for detection of Human Tryptophan. No significant cross-reactivity or interference between Human Tryptophan and analogues was observed.
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	2 umol/L - 32 umol/L
Sensitivity	< 0.1umol/L
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 Tryptophan elisa kit	Background: Tryptophan is the least plentiful of all 22 amino acids and an essential amino acid in humans (provided by food), Tryptophan is found in most proteins and a precursor of serotonin. Tryptophan is converted to 5-hydroxy-tryptophan (5-HTP), converted in turn to serotonin, a neurotransmitter essential in regulating appetite, sleep, mood, and pain. Tryptophan is a natural sedative and present in dairy products, meats, brown rice, fish, and soybeans. (NCI04) Principle of the Assay: Human Tryptophan ELISA Kit employs a two-site sandwich ELISA to quantitate Tryptophan in samples. An antibody specific for Tryptophan has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Tryptophan present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human Tryptophan 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 Tryptophan 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tryptophan/31511>