

Human Kynurenine ELISA Kit | KYNU elisa kit

Human Kynurenine (KYN) ELISA Kit

CATALOG #
AAA55791

REACTIVITY
Human

PRODUCT SYNONYMS

Kynurenine; Human Kynurenine (KYN) ELISA Kit; OTTHUMP00000204304|l-kynurenine hydrolase; KYNU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human KYN. No significant cross-reactivity or interference between Human KYN and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.25 pmol/mL - 2000 pmol/mL
Sensitivity	15.6 pmol/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for KYNU elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate KYN in Human serum, plasma, tissue homogenates. An antibody specific for KYN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any KYN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KYN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of KYN bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Kynurenine (KYN) concentration in serum, plasma, tissue homogenates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74101437
NCBI GeneID	8942
NCBI Accession #	NP_001028170.1
NCBI GenBank Nucleotide #	NM_001032998.1
UniProt Accession #	Q16719; Q6I9T2; Q9BVG3; B2RCZ5; D3DP79
Molecular Weight	34,635 Da

NCBI Official Full Name	kynureninase isoform b
NCBI Official Synonym Full Names	kynureninase
NCBI Official Symbol	KYNU
NCBI Official Synonym Symbols	KYNUU; VCRL2
NCBI Protein Information	kynureninase
UniProt Protein Name	Kynureninase
UniProt Gene Name	KYNU

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://www.aaabiotech.com/kynu-human-elisa-kits/kynurenine/55791>