

Human fucosidase, alpha-L- 2, plasma ELISA Kit | FUCA2 elisa kit

Human alpha-L-fucosidase, AFU ELISA Kit

CATALOG #
AAA80094

REACTIVITY
Human

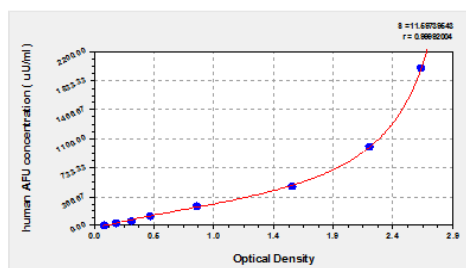
PRODUCT SYNONYMS

fucosidase; alpha-L- 2; plasma; Human alpha-L-fucosidase; AFU ELISA Kit; RP1-20N2.5; MGC1314; dJ20N2.5; ; FUCA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human AFU. No significant cross-reactivity or interference between human AFU and analogues was observed.
Sequence Length	467
Samples	Serum, plasma, tissue homogenates.
Assay Type	Sandwich
Detection Range	31.25 uU/ml -2000 uU/ml.
Sensitivity	The minimum detectable dose of human AFU is typically less than 7.8 uU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FUCA2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AFU has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AFU present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AFU is added to the wells. After washing, avidin 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 AFU bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40068512
NCBI GeneID	2519
NCBI Accession #	NP_114409.2
NCBI GenBank Nucleotide #	NM_032020.4
UniProt Accession #	Q9BTY2; Q7Z6Y2; Q8NBK4
Molecular Weight	54,067 Da
NCBI Official Full Name	plasma alpha-L-fucosidase
NCBI Official Synonym Full Names	fucosidase, alpha-L- 2, plasma
NCBI Official Symbol	FUCA2
NCBI Official Synonym Symbols	dJ20N2.5
NCBI Protein Information	plasma alpha-L-fucosidase; alpha-L-fucosidase 2; alpha-L-fucoside fucohydrolase 2
UniProt Protein Name	Plasma alpha-L-fucosidase
UniProt Gene Name	FUCA2
UniProt Synonym Gene Names	PSEC0151; UNQ227/PRO260; Alpha-L-fucosidase 2
UniProt Entry Name	FUCO2_HUMAN

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://stage.aaabiotech.com/fuca2-human-elisa-kits/fucosidase-alpha-l-2-plasma/80094>