

Rat Fucosidase, Alpha L1, Tissue ELISA Kit | FUCa1 elisa kit

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CATALOG #
AAA82767

REACTIVITY
Rat

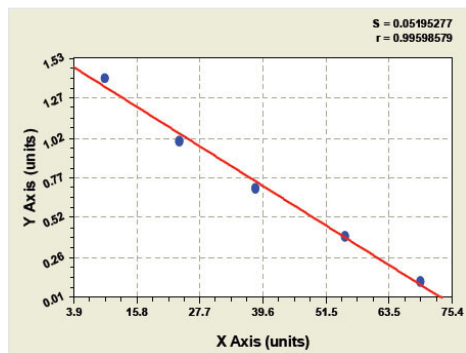
PRODUCT SYNONYMS

Fucosidase; Alpha L1; Tissue; Rat Fucosidase; Tissue ELISA Kit; FUCa1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This FUCa1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FUCa1. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FUCa1 elisa kit

Principle of the Assay: FUCa1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FUCa1 antibody and an FUCa1-HRP conjugate. The assay sample and buffer are incubated together with FUCa1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FUCa1 concentration since FUCa1 from samples and FUCa1-HRP conjugate compete for the anti-FUCa1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FUCa1 from the sample, fewer sites are left to bind FUCa1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FUCa1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119615504
NCBI GeneID	2517
Molecular Weight	53,689 Da
NCBI Official Full Name	fucosidase, alpha-L- 1, tissue
NCBI Official Synonym Full Names	fucosidase, alpha-L- 1, tissue
NCBI Official Symbol	FUCA1
NCBI Official Synonym Symbols	FUCA
NCBI Protein Information	tissue alpha-L-fucosidase; alpha-L-fucosidase 1; alpha-L-fucosidase I; alpha-L-fucoside fucohydrolase 1
UniProt Protein Name	Tissue alpha-L-fucosidase
UniProt Gene Name	FUCA1
UniProt Synonym Gene Names	Nbla10230; Alpha-L-fucosidase 1
UniProt Entry Name	FUCO_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/fuca1-rat-elisa-kits/fucosidase-alpha-l1-tissue/82767>