

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

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CATALOG #
AAA92422

REACTIVITY
Sheep

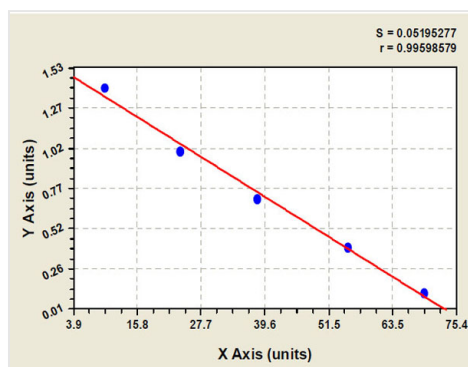
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This FUCa1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 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.

Product Categories/Family for FUCa1 elisa kit

Signal Transduction

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-sheep-elisa-kits/fucosidase-alpha-l1-tissue/92422>