

ARG83287 Human alpha-L-fucosidase 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83287 Human alpha-L-fucosidase 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human alpha-L-fucosidase 1 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	alpha-L-fucosidase
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.3% Inter-Assay CV: 5.0%
Alternate Names	Alpha-L-fucosidase 1; Tissue alpha-L-fucosidase; Alpha-L-fucoside fucosylhydrolase 1; FUCA; EC 3.2.1.51; Alpha-L-fucosidase I

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

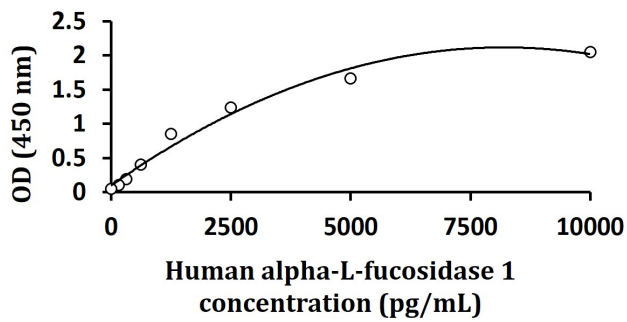
Gene Symbol	FUCA1
Gene Full Name	fucosidase, alpha-L- 1, tissue
Background	The protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2.[provided by RefSeq, Oct 2009]
Function	Alpha-L-fucosidase is responsible for hydrolyzing the alpha-1,6-linked fucose joined to the reducing-end

N-acetylglucosamine of the carbohydrate moieties of glycoproteins. [UniProt]

Cellular Localization

Lysosome. [UniProt]

Images



ARG83287 Human alpha-L-fucosidase 1 ELISA Kit standard curve image

ARG83287 Human alpha-L-fucosidase 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.