ARG82609
Human Galactosidase alpha ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82609 Human Galactosidase alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Galactosidase alpha in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Human Galactosidase alpha. No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	Galactosidase alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	250 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	500 - 32000 pg/ml
Sample Volume	20 µl
Precision	Intra-Assay CV: 6.9% Inter-Assay CV: 5.8%
Alternate Names	Alpha-galactosidase A; Melibiase; Alpha-D-galactosidase A; Alpha-D-galactoside galactohydrolase; EC 3.2.1.22; Agalsidase; GALA

Application Instructions

Assay Time	~ 3.5 hours

Properties

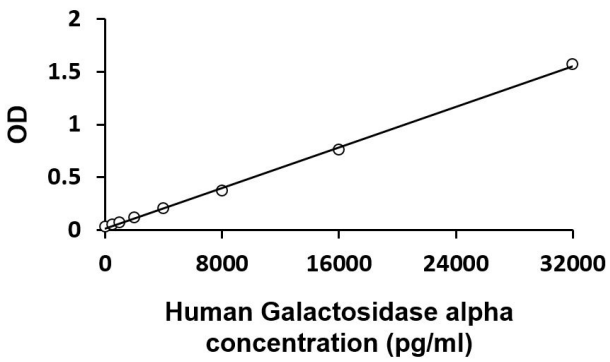
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	GLA

Gene Full Name	galactosidase, alpha
Background	This gene encodes a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexoside, and it can catalyze the hydrolysis of melibiose into galactose and glucose. A variety of mutations in this gene affect the synthesis, processing, and stability of this enzyme, which causes Fabry disease, a rare lysosomal storage disorder that results from a failure to catabolize alpha-D-galactosyl glycolipid moieties. [provided by RefSeq, Jul 2008]
Highlight	Related products: Galactosidase alpha antibodies; Galactosidase alpha ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Lysosome. [UniProt]

Images



ARG82609 Human Galactosidase alpha ELISA Kit standard curve image

ARG82609 Human Galactosidase alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.