

ARG83297 Human GUSB / beta glucuronidase ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83297 Human GUSB / beta glucuronidase ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GUSB / beta glucuronidase 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	GUSB / beta glucuronidase
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	25 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 4.6%
Alternate Names	Beta-G1; MPS7; BG; EC 3.2.1.31; Beta-glucuronidase

Application Instructions

Assay Time	~ 5 hours
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Properties

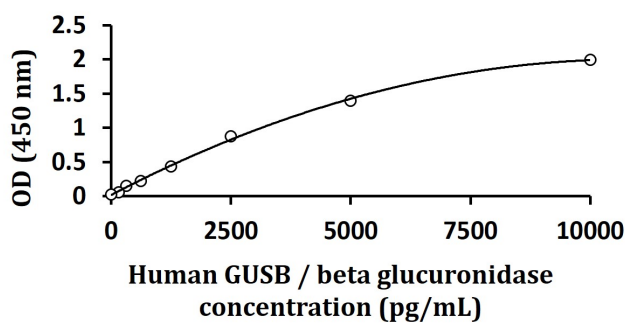
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	GUSB
Gene Full Name	glucuronidase, beta
Background	This gene encodes a hydrolase that degrades glycosaminoglycans, including heparan sulfate, dermatan sulfate, and chondroitin-4,6-sulfate. The enzyme forms a homotetramer that is localized to the lysosome. Mutations in this gene result in mucopolysaccharidosis type VII. Alternative splicing results in multiple transcript variants. There are many pseudogenes of this locus in the human genome.[provided by RefSeq, May 2014]
Function	Plays an important role in the degradation of dermatan and keratan sulfates. [UniProt]

PTM	N-linked glycosylated with 3 to 4 oligosaccharide chains. [UniProt]
Cellular Localization	Lysosome. [UniProt]

Images



ARG83297 Human GUSB / beta glucuronidase ELISA Kit standard curve image

ARG83297 Human GUSB / beta glucuronidase ELISA Kit results of a typical standard run with optical density reading at 450 nm.