

ARG83297 Human GUSB / beta glucuronidase ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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|---------------------|---|
| 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

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|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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|---------------------|--|
| 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

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|----------------|---|
| 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] |

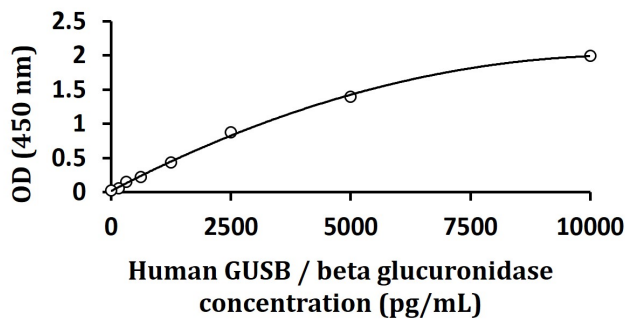
PTM

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.
