

ARG83454 Human Heparin ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

| | |
|---------------------|--|
| Product Description | ARG83454 Human Heparin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Heparin in Serum, plasma and cell culture supernatants., Urine |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Target Name | Heparin |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 4 pg/ml |
| Sample Type | Serum, plasma and cell culture supernatants., Urine |
| Standard Range | 7.8 - 500 pg/ml |
| Sample Volume | 100 µl |
| Alternate Names | HAMP; Heparin Antimicrobial Peptide; LEAP1; HEPC; LEAP-1; HFE2B; Liver-Expressed Antimicrobial Peptide 1; Putative Liver Tumor Regressor; Heparin; PLTR; Heparin Preproprotein |

Application Instructions

| | |
|------------|-----------|
| Assay Time | 3.5 hours |
|------------|-----------|

Properties

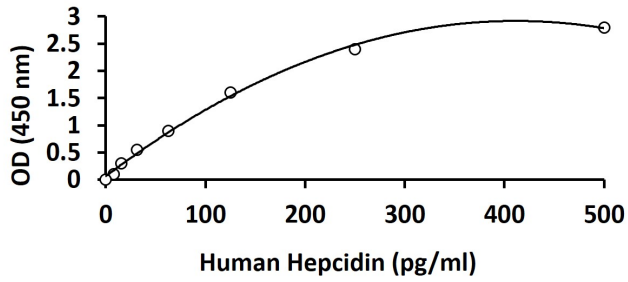
| | |
|---------------------|--|
| Form | 96 well |
| Storage instruction | Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|----------------|--|
| Gene Symbol | HAMP |
| Gene Full Name | Heparin Antimicrobial Peptide |
| Background | he product encoded by this gene is involved in the maintenance of iron homeostasis, and it is necessary for the regulation of iron storage in macrophages, and for intestinal iron absorption. The preproprotein is post-translationally cleaved into mature peptides of 20, 22 and 25 amino acids, and these active peptides are rich in cysteines, which form intramolecular bonds that stabilize their beta-sheet structures. These peptides exhibit antimicrobial activity against bacteria and fungi. Mutations in this gene cause hemochromatosis type 2B, also known as juvenile hemochromatosis, a disease caused by severe iron overload that results in cardiomyopathy, cirrhosis, and endocrine failure. [provided by RefSeq, Oct 2014] |

| | |
|-----------------------|---|
| Function | Liver-produced hormone that constitutes the main circulating regulator of iron absorption and distribution across tissues. Acts by promoting endocytosis and degradation of ferroportin/SLC40A1, leading to the retention of iron in iron-exporting cells and decreased flow of iron into plasma. |
| PTM | Cleavage on pair of basic residues, Disulfide bond |
| Cellular Localization | Secreted |

Images



ARG83454 Human Hepcidin ELISA Kit standard curve image

ARG83454 Human Hepcidin ELISA Kit results of a typical standard run with optical density reading at 450 nm.