

ARG83443 Human Hsp 60 ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

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| Product Description | ARG83443 Human Hsp 60 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Hsp 60 in Serum, plasma and cell culture supernatants., Cell Lysates, Tissue Homogenates |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Target Name | Hsp 60 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 150 pg/ml |
| Sample Type | Serum, plasma and cell culture supernatants., Cell Lysates, Tissue Homogenates |
| Standard Range | 312 - 20000 pg/ml |
| Sample Volume | 100 µl |
| Alternate Names | Heat shock protein 60; HuCHA60; 60 kDa heat shock protein, mitochondrial; GROEL; P60 lymphocyte protein; 60 kDa chaperonin; HSP-60; Mitochondrial matrix protein P1; HLD4; SPG13; HSP60; Chaperonin 60; Hsp60; CPN60; HSP65 |

Application Instructions

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| Assay Time | 3.5 hours |
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Properties

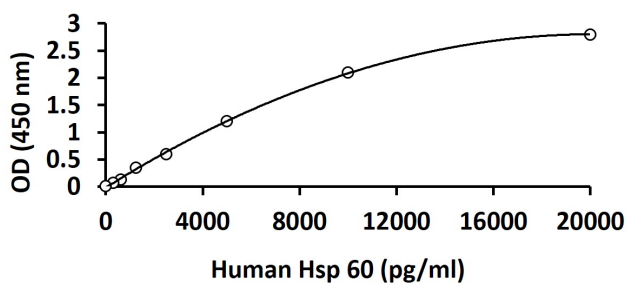
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| Form | 96 well |
| Storage instruction | Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for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

Bioinformation

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| Gene Symbol | HSPD1 |
| Gene Full Name | heat shock 60kDa protein 1 (chaperonin) |
| Background | This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Several pseudogenes have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13. [provided by RefSeq, Jun 2010] |

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| Function | Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix. [UniProt] |
| Highlight | Related products: Hsp60 antibodies ; Hsp60 Duos / Panels ; Anti-Chicken IgY secondary antibodies ; Related poster download: Organelle Markers & Loading Control |
| Research Area | Controls and Markers antibody; Signaling Transduction antibody; Mitochondrial Marker antibody |

Images



ARG83443 Human Hsp 60 ELISA Kit standard curve image

ARG83443 Human Hsp 60 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
