

ARG82812 Guinea Pig IL6 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG82812 Guinea Pig IL6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Guinea Pig IL6 in serum, plasma and cell culture supernatants. |
| Tested Reactivity | Gpig |
| Tested Application | ELISA |
| Specificity | Cross-Reactivity: Not react with BMP2, BMP4, IL1 beta, IL2, IL4, IL5, IL8, IL10, IL15, IFN gamma, TGF beta 1, TLR1, TLR2, TLR3 and TNF alpha. |
| Target Name | IL6 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 23.5 pg/ml |
| Sample Type | Serum, plasma and cell culture supernatants. |
| Standard Range | 47 - 3000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: 7.0% Inter-Assay CV: 8.0% |
| Alternate Names | B-cell stimulatory factor 2; CDF; HSF; BSF-2; Interferon beta-2; IL-6; IFNB2; CTL differentiation factor; Interleukin-6; HGF; Hybridoma growth factor; BSF2; IFN-beta-2 |

Application Instructions

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| Assay Time | ~ 3 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. |

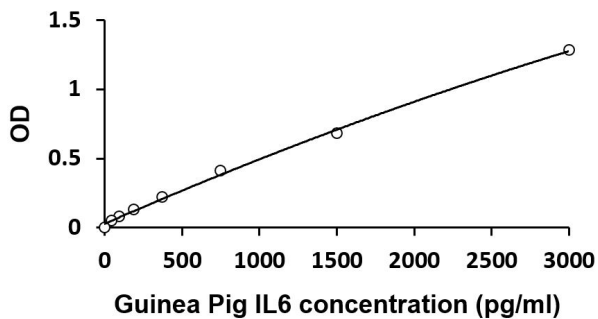
Bioinformation

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| Gene Symbol | IL6 |
| Gene Full Name | interleukin 6 |
| Background | This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic |

inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

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| Function | Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. [UniProt] |
| PTM | N- and O-glycosylated. [UniProt] |
| Cellular Localization | Secreted. [UniProt] |

Images



ARG82812 Guinea Pig IL6 ELISA Kit standard curve image

ARG82812 Guinea Pig IL6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.