

ARG82583 Human PIGF (High sensitive) ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

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| Product Description | ARG82583 Human PIGF (High sensitive) ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human PIGF in serum, plasma and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | This kit could assay both natural and recombinant Human PIGF. No significant cross-reactivity or interference was observed in the following samples: Human: ANG, AR, CNTF, EGF, EPO, FGF acidic, FGF basic, FGF4, FGF5, FGF6, FGF7, G-CSF, GM-CSF, HB-EGF, HGF, IFN gamma, IGF1, IGF2, IL1 alpha, IL1 beta, IL1RA, IL2, IL3, IL4, IL5 and IL6. Mouse: GM-CSF, IL1 alpha, IL1 beta, IL3, IL4, IL5, IL5RA, IL6, IL7, IL9, IL10, IL13 and LIF. Rat: IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. |
| Target Name | PIGF |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 1.6 pg/ml |
| Sample Type | Serum, plasma and cell culture supernatants. |
| Standard Range | 3.13 - 200 pg/ml |
| Sample Volume | 10 - 100 µl |
| Precision | Intra-Assay CV: 2.4% Inter-Assay CV: 3.0% |
| Alternate Names | Phosphatidylinositol-glycan biosynthesis class F protein; PIG-F; GPI11 homolog |

Application Instructions

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| Assay Time | ~ 3.5 hours |
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Properties

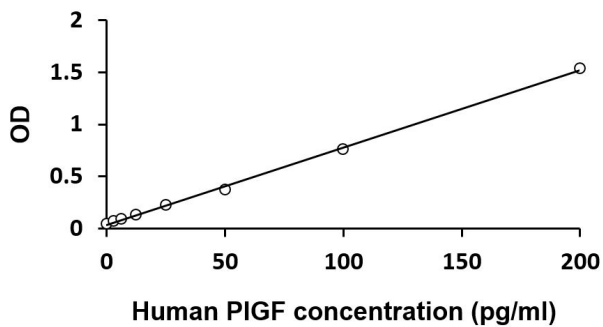
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| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual 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 | PIGF |
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| Gene Full Name | phosphatidylinositol glycan anchor biosynthesis, class F |
| Background | This gene encodes a protein involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor, a glycolipid containing three mannose molecules in its core backbone, is found on many blood cells where it serves to anchor proteins to the cell surface. The encoded protein and another GPI synthesis protein, PIGO, function in the transfer of ethanolaminephosphate to the third mannose in GPI. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008] |
| Function | Involved in GPI-anchor biosynthesis through the transfer of ethanolamine phosphate to the third mannose of GPI. [UniProt] |
| Highlight | Related products: PIGF ELISA Kits: New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| Cellular Localization | Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt] |

Images



ARG82583 Human PIGF (High sensitive) ELISA Kit standard curve image

ARG82583 Human PIGF (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.