ARG82583
Human PIGF (High sensitive) ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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

Assay Time	~ 3.5 hours

Properties

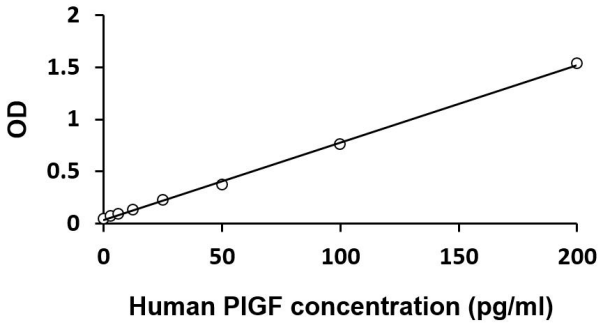
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PIGF

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.