

Human Phosphatidylinositol-Glycan Biosynthesis Class F Protein (PIGF) ELISA Kit | PIGF elisa kit

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CATALOG # AAA331390	REACTIVITY Human
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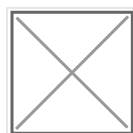
PRODUCT SYNONYMS

Phosphatidylinositol-Glycan Biosynthesis Class F Protein (PIGF); Human Phosphatidylinositol-Glycan Biosynthesis Class F Protein (PIGF) ELISA Kit; PIGF; MGC32646; MGC33136; PIGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphatidylinositol-glycan biosynthesis class F protein (PIGF) ELISA Kit has high sensitivity and excellent specificity for detection of Human PIGF. No significant cross-reactivity or interference between Human PIGF and analogues was observed.
Sequence Length	206
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Phosphatidylinositol-glycan biosynthesis class F protein (PIGF) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PIGF elisa kit	Description: This Human Phosphatidylinositol-glycan biosynthesis class F protein (PIGF) ELISA Kit employs a two-site sandwich ELISA to quantitate PIGF in samples. An antibody specific for PIGF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIGF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIGF is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PIGF bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PIGF encodes 1 of the enzymes involved in glycosylphosphatidylinositol (GPI) anchor biosynthesis. The primary biochemical defect in paroxysmal nocturnal hemoglobinuria (PNH), an acquired hematologic disorder with protean clinical manifestations including recurrent episodes of hemolysis, infections, and venous thrombosis, involves defective synthesis of GPI anchors that attach certain proteins to the cell surface membrane. Proteins with appropriate C-terminal signal peptides are transferred to the preformed glycolipid anchor in the endoplasmic reticulum and transported to the cell surface as a single unit; in PNH, there is a defect in GPI-anchor biosynthesis and an absence of all surface proteins that use this anchoring motif.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27894291
NCBI GeneID	5281
NCBI Accession #	NP_775097.1
NCBI GenBank Nucleotide #	NP_775097.1
UniProt Accession #	Q07326
NCBI Official Full Name	phosphatidylinositol-glycan biosynthesis class F protein isoform 2
NCBI Official Synonym Full Names	phosphatidylinositol glycan anchor biosynthesis class F
NCBI Official Symbol	PIGF
NCBI Protein Information	phosphatidylinositol-glycan biosynthesis class F protein
UniProt Protein Name	Phosphatidylinositol-glycan biosynthesis class F protein
UniProt Gene Name	PIGF
UniProt Synonym Gene Names	PIG-F

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phosphatidylinositol-glycan-biosynthesis-class-f-protein-pigf/331390>