

Human Receptor-Type Tyrosine-Protein Phosphatase gamma (PTPRG) ELISA Kit | PTPRG elisa kit

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CATALOG #
AAA331232

REACTIVITY
Human

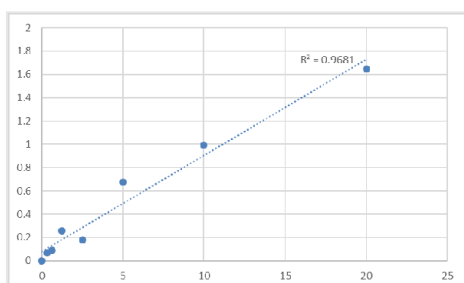
PRODUCT SYNONYMS

Receptor-Type Tyrosine-Protein Phosphatase gamma (PTPRG); Human Receptor-Type Tyrosine-Protein Phosphatase gamma (PTPRG) ELISA Kit; PTPRG; HPTPG; PTPG; R-PTP-GAMMA; RPTPG; H_RG317H01.1; protein tyrosine phosphatase gamma; protein tyrosine phosphatase; receptor type; gamma polypeptide; receptor type protein tyrosine phosphatase gamma; recep; PTPRG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Receptor-type tyrosine-protein phosphatase gamma (PTPRG) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTPRG. No significant cross-reactivity or interference between Human PTPRG and analogues was observed.
Sequence Length	1422
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 Receptor-type tyrosine-protein phosphatase gamma (PTPRG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTPRG elisa kit	Description: This Human Receptor-type tyrosine-protein phosphatase gamma (PTPRG) ELISA Kit employs a two-site sandwich ELISA to quantitate PTPRG in samples. An antibody specific for PTPRG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPRG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPRG 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 PTPRG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Receptor-type tyrosine-protein phosphatase gamma is member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is thought to be a candidate tumor suppressor gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45383516
NCBI Accession #	NP_989645.1
NCBI GenBank Nucleotide #	NP_989645.1
UniProt Accession #	Q98936
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase gamma
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase gamma
UniProt Gene Name	PTPRG
UniProt Synonym Gene Names	Protein-tyrosine phosphatase gamma; R-PTP-gamma
UniProt Entry Name	PTPRG_CHICK

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://www.aaabiotech.com/human-elisa-kits/receptor-type-tyrosine-protein-phosphatase-gamma-ptprg/331232>