

Human Peptidylprolyl cis-Trans Isomerase A-Like 4G (PPIAL4G) ELISA Kit | PPIAL4G elisa kit

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CATALOG # AAA331372	REACTIVITY Human
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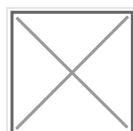
PRODUCT SYNONYMS

Peptidylprolyl cis-Trans Isomerase A-Like 4G (PPIAL4G); Human Peptidylprolyl cis-Trans Isomerase A-Like 4G (PPIAL4G) ELISA Kit; PPIAL4G; RP6-206117.5; BX284650.5; FLJ16804; MGC163248; MGC163250; PPIAL4G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peptidylprolyl cis-trans isomerase A-like 4G (PPIAL4G) ELISA Kit has high sensitivity and excellent specificity for detection of Human PPIAL4G. No significant cross-reactivity or interference between Human PPIAL4G and analogues was observed.
Sequence Length	164
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 Peptidylprolyl cis-trans isomerase A-like 4G (PPIAL4G) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PPIAL4G elisa kit	Description: This Human Peptidylprolyl cis-trans isomerase A-like 4G (PPIAL4G) ELISA Kit employs a two-site sandwich ELISA to quantitate PPIAL4G in samples. An antibody specific for PPIAL4G has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PPIAL4G present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPIAL4G 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 PPIAL4G bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PPIAL4G belongs to the cyclophilin-type PPIase family. PPIase A subfamily. Contains 1 PPIase cyclophilin-type domain, PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIases are ubiquitous in living organisms. While 3 families of PPIases, cyclophilin (CyP), FK506 binding protein (FKBP) and parvulin (Pvn), have been studied in detail in Eukarya and Bacteria (eubacteria), little is known about archaeal PPIases. Among 2 cyclophilins found in Archaea, only Halobacterium cyclophilin (HcCyP19) has been characterized. It is a cyclosporin A (CsA) sensitive CyP with a MW of 19.4kDa. The PPIase activity and CsA sensitivity of this CyP is higher at higher salt concentration in the medium. No parvulin or its homolog has been found in Archaea.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	178057341
NCBI GeneID	653598
NCBI Accession #	NP_001116540.1
NCBI GenBank Nucleotide #	NP_001116540.1
UniProt Accession #	A2BFH1; Q9Y536; A0A0B4J2A2
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase A-like 4G
NCBI Official Synonym Full Names	peptidylprolyl isomerase A like 4C
NCBI Official Symbol	PPIAL4C
NCBI Official Synonym Symbols	COAS-2
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase A-like 4A/B/C
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase A-like 4G
UniProt Gene Name	PPIAL4G
UniProt Synonym Gene Names	PPIase A-like 4G
UniProt Entry Name	PAL4G_HUMAN

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.