

Human Polymerase DNA Directed Gamma 1 (POLg1) RTU ELISA Kit | POLg1 rtu elisa kit

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CATALOG #
AAA217915

REACTIVITY
Human

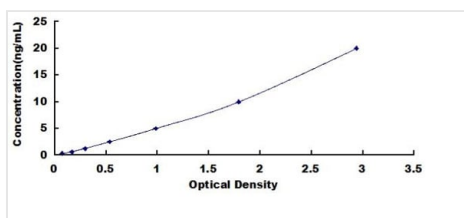
PRODUCT SYNONYMS

Polymerase DNA Directed Gamma 1 (POLg1); Human Polymerase DNA Directed Gamma 1 (POLg1) ELISA Kit; PEO; POLG1; POLGA; SANDO; SCAE; Mitochondrial DNA polymerase catalytic subunit; POLg1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1239
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.123ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POLg1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to POLg1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to POLg1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain POLg1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of POLg1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187171277
NCBI GeneID	5428
NCBI Accession #	NP_001119603.1
NCBI GenBank Nucleotide #	NM_001126131.1
UniProt Accession #	P54098; Q8NFM2; Q92515
Molecular Weight	139,562 Da
NCBI Official Full Name	DNA polymerase subunit gamma-1
NCBI Official Synonym Full Names	DNA polymerase gamma, catalytic subunit
NCBI Official Symbol	POLG
NCBI Official Synonym Symbols	PEO; MDP1; SCAE; MIRAS; POLG1; POLGA; SANDO; MTDPS4A; MTDPS4B
NCBI Protein Information	DNA polymerase subunit gamma-1
UniProt Protein Name	DNA polymerase subunit gamma-1
UniProt Gene Name	POLG
UniProt Synonym Gene Names	MDP1; POLG1; POLGA

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-rtu-elisa-kits/polymerase-dna-directed-gamma-1-polg1/217915>