

Human DNA Primase Large Subunit (PRIM2) ELISA Kit | PRIM2 elisa kit

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CATALOG #
AAA331337

REACTIVITY
Human

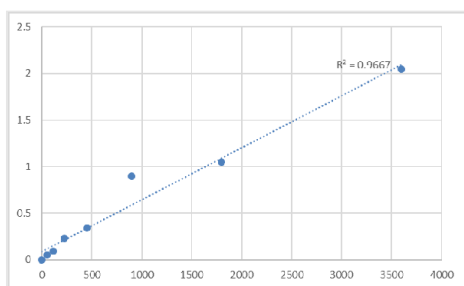
PRODUCT SYNONYMS

DNA Primase Large Subunit (PRIM2); Human DNA Primase Large Subunit (PRIM2) ELISA Kit; PRIM2; RP3-401D24.1; MGC75142; PRIM2A; p58; DNA primase large subunit; DNA primase polypeptide 2; DNA primase subunit p58; dJ422B11.1.1; polypeptide 2A; primase polypeptide 2A; 58kDa; primase; polypeptide 2; PRIM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human DNA primase large subunit (PRIM2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRIM2. No significant cross-reactivity or interference between Human PRIM2 and analogues was observed.
Sequence Length	158
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 DNA primase large subunit (PRIM2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRIM2 elisa kit	Description: This Human DNA primase large subunit (PRIM2) ELISA Kit employs a two-site sandwich ELISA to quantitate PRIM2 in samples. An antibody specific for PRIM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRIM2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRIM2 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 PRIM2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: DNA replication in human cells is initiated by a complex apparatus containing a DNA polymerase-alpha/primase complex that is well conserved from yeast to human. The DNA polymerase-alpha/primase complex contains 4 subunits: the polymerase-alpha p180 (POLA) and p68 (POLA2) subunits, and the primase p58 (PRIM2A) and p49 (PRIM1) subunits. Primase synthesizes oligoribonucleotides that serve as primers for the initiation of DNA synthesis. It plays a role in both the initiation of DNA replication and the synthesis of Okazaki fragments for lagging strand synthesis. The deduced 446-amino acid protein shares 89% identity with mouse p58, with 5 regions of homology distributed over the central part of the protein. The N and C termini are less well conserved.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17389609
NCBI GeneID	5558
UniProt Accession #	P49643
NCBI Official Full Name	PRIM2 protein
NCBI Official Synonym Full Names	DNA primase subunit 2
NCBI Official Symbol	PRIM2
NCBI Official Synonym Symbols	p58; PRIM2A
NCBI Protein Information	DNA primase large subunit
UniProt Protein Name	DNA primase large subunit
UniProt Gene Name	PRIM2
UniProt Synonym Gene Names	PRIM2A; p58
UniProt Entry Name	PRI2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dna-primase-large-subunit-prim2/331337>