

Human Pyrin Domain-Containing Protein 1 (PYDC1) ELISA Kit | PYDC1 elisa kit

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CATALOG #
AAA331204

REACTIVITY
Human

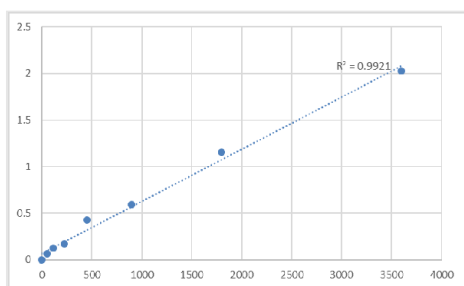
PRODUCT SYNONYMS

Pyrin Domain-Containing Protein 1 (PYDC1); Human Pyrin Domain-Containing Protein 1 (PYDC1) ELISA Kit; PYDC1; ASC2; POP1; PYC1; PAAD-only protein; pyrin domain containing 1; pyrin-domain containing protein 1; pyrin-only protein 1; PYDC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pyrin domain-containing protein 1 (PYDC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYDC1. No significant cross-reactivity or interference between Human PYDC1 and analogues was observed.
Sequence Length	89
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 Pyrin domain-containing protein 1 (PYDC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PYDC1 elisa kit	Description: This Human Pyrin domain-containing protein 1 (PYDC1) ELISA Kit employs a two-site sandwich ELISA to quantitate PYDC1 in samples. An antibody specific for PYDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYDC1 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 PYDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ASC2, a PYD-only protein that functions as a modulator of multidomain PYD-containing proteins involved in NF-kappaB and caspase-1 activation. ASC2 adopts a six-helix bundle structure with a prominent loop, comprising 13 amino acid residues, between helices two and three. This loop represents a divergent feature of PYDs from other domains with the DD fold. Detailed analysis of backbone 15N NMR relaxation data using both the Lipari-Szabo model-free and reduced spectral density function formalisms revealed no evidence of contiguous stretches of polypeptide chain with dramatically increased internal motion, except at the extreme N and C termini. Some mobility in the fast, picosecond to nanosecond timescale, was seen in helix 3 and the preceding alpha2-alpha3 loop, in stark contrast to the complete disorder seen in the corresponding region of the NALP1 PYD.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74730989
NCBI GeneID	260434
UniProt Accession #	Q8WXC3
NCBI Official Full Name	Pyrin domain-containing protein 1
NCBI Official Synonym Full Names	pyrin domain containing 1
NCBI Official Symbol	PYDC1
NCBI Official Synonym Symbols	ASC2; POP1; PYC1; cPOP1
NCBI Protein Information	pyrin domain-containing protein 1
UniProt Protein Name	Pyrin domain-containing protein 1
UniProt Gene Name	PYDC1
UniProt Synonym Gene Names	cPOP1

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/pyrin-domain-containing-protein-1-pydc1/331204>