## antibodies

## Datasheet for ABIN6385657 PNMT IQ-ELISA Kit



Overview	
Quantity:	96 tests
Target:	PNMT
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human Immunoquantitative (PCR-Based) PNMT ELISA Kit for cell culture supernatants,
	plasma, and serum samples.
Sample Type:	Cell Culture Supernatant, Plasma, Serum

Detection Method:qPCRCharacteristics:IQ-ELISAs employ specific capture antibodies coated on a 96-well PCR plate. Standards and<br/>samples are pipetted into the wells, the target protein in the standards and samples binds to<br/>the immobilized antibody. The wells are washed and the detection affinity reagent is added to<br/>the wells where it binds to any captured antigen. The wells are washed, and primers and PCR<br/>master mix are added to each well. The plate is placed into a real time PCR instrument for<br/>cycling and measurement of DNA amplification. The cycle number where amplification is<br/>detected is proportional to the amount of affinity detection reagent that bound to captured<br/>antigen in each well.

Semi-Quantitative

Components:

Analytical Method:

PNMT Microplate (Item A): 96 well PCR plate coated with anti-Human PNMT

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	<ul> <li>Wash Buffer I Concentrate (20x) (Item B): 25 ml of 20x concentrated solution</li> <li>Standards (Item C): 2 vials of recombinant Human PNMT</li> <li>Assay Diluent A (Item D): 30 ml diluent buffer, 0.09% sodium azide as preservative. For Standard/Sample (serum/plasma) diluent</li> <li>Assay Diluent B (Item E): 15 ml of 5x concentrated buffer. For Standard/Sample (cell culture medium/urine) diluent</li> <li>Detection Affinity Reagent for PNMT (Item F): 2 vials of a 4x concentrated solution of anti- Human PNMT affinity reagent</li> <li>IQELISA Detection Reagent (Item G): 1.4ml of a 10x concentrated stock</li> <li>Primer Solution (Item I): 1.7 ml vial</li> <li>PCR Master Mix (Item J): 1.2 ml vial</li> <li>PCR Preparation buffer (Item K): 1ml vial of 10x concentrated buffer</li> </ul>
	Final Wash Buffer (Item L): 10ml vial of 10x concentrated buffer
Material not included:	<ul> <li>Real-time PCR instrument, Bio-Rad recommended</li> <li>Precision pipettes to deliver 2 µL to 1 mL volumes</li> <li>Adjustable 1-25 mL pipettes for reagent preparation</li> <li>100 mL and 1 liter graduated cylinders</li> <li>Absorbent paper</li> <li>Distilled or deionized water</li> <li>Log-log graph paper or computer and software for data analysis</li> <li>Tubes to prepare standard or sample dilutions</li> </ul>

• Heating block or water bath capable of 80°C

## Target Details

Target:	PNMT
Alternative Name:	PNMT (PNMT Products)
Gene ID:	5409
UniProt:	P11086
Pathways:	Response to Water Deprivation
Application Dataila	
Application Details	

Application Notes:	The Immuno-Quantitative ELISA (IQELISA) kits are an innovative assay platform that combines
	the specificity and ease of use of an ELISA with the sensitivity of real-time PCR. This results in
	an assay that is simultaneously familiar and cutting edge and enables the use of only 1/10th
	the sample volume while also providing 10x more sensitivity than a traditional ELISA.
Comment:	The Immuno-Quantitative ELISA (IQELISA™) kits are an innovative assay platform that

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## Application Details

	combines the specificity and ease of use of an ELISA with the sensitivity of real-time PCR. Also
	called immuno-PCR, this detection platform results in an assay that is simultaneously familiar
	and cutting edge. Compared to traditional ELISA, IQELISA <sup><math>{ m M}</math></sup> enables the use of only 1/10th the
	sample volume while also providing 10x more sensitivity.
Sample Volume:	25 μL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed
	2. Add 25 μL standard or sample to each well. Incubate for 2.5 hours at room temperature or overnight at 4°C
	3. Add 25 $\mu L$ detection affinity reagent to each well. Incubate 1 hour at room temperature
	4. Add 25µL of IQELISA Detection Reagent to each well. Incubate 1 hour
	5. Add 15µL Primer solution 10µL of PCR master mix to each well
	6. Run real-time PCR
Restrictions:	For Research Use only
Handling	
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	May be stored for up to 6 months at 2° to 8°C from the date of shipment. Standard
	(recombinant protein) should be stored at -20°C or -80°C (recommended at -80°C) after
	reconstitution. Opened PCR plate or reagents may be stored for up to 1 month at 2° to 8°C.
	Note: the kit can be used within one year if the whole kit is stored at -20°C. Avoid repeated
	freeze-thaw cycles.
Expiry Date:	6 months