

Human thiopurine S-methyltransferase ELISA Kit | TPMT elisa kit

Human thiopurine S-methyltransferase, TPMT ELISA Kit

CATALOG #
AAA18322

REACTIVITY
Human

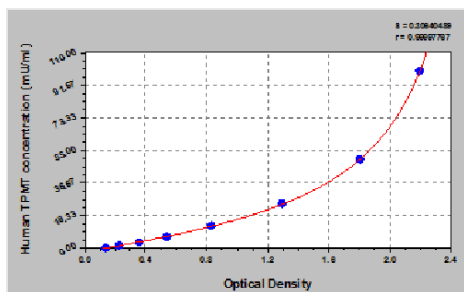
PRODUCT SYNONYMS

thiopurine S-methyltransferase; Human thiopurine S-methyltransferase; TPMT ELISA Kit; Human thiopurine S-methyltransferase (TPMT) ELISA kit; S-adenosyl-L-methionine:thiopurine S-methyltransferase; TPMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TPMT. No significant cross-reactivity or interference between human TPMT and analogues was observed.
Sequence Length	245
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	1.56 mU/ml -100 mU/ml
Sensitivity	Typically less than 0.39 mU/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPMT elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TPMT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPMT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPMT is added to the wells. After washing, avidin 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 TPMT bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507653
NCBI GeneID	7172
NCBI Accession #	NP_000358.1
NCBI GenBank Nucleotide #	NM_000367.3
UniProt Accession #	P51580; O14806; O15423; O15424; O15425; O15426; O15515; O15548; O43213; Q5VUK6; Q9UBE6; Q9UBT8
Molecular Weight	28,180 Da
NCBI Official Full Name	thiopurine S-methyltransferase
NCBI Official Synonym Full Names	thiopurine S-methyltransferase
NCBI Official Symbol	TPMT
NCBI Protein Information	thiopurine S-methyltransferase; S-adenosyl-L-methionine:thiopurine S-methyltransferase
UniProt Protein Name	Thiopurine S-methyltransferase
UniProt Gene Name	TPMT
UniProt Entry Name	TPMT_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tpmt-human-elisa-kits/thiopurine-s-methyltransferase/18322>