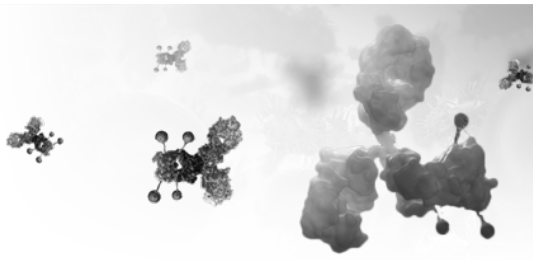

Human TPMT blocking peptide (CDBP3028)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TPMT antibody
Antigen Description	This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine are used as chemotherapeutic agents. Genetic polymorphisms that affect this enzymatic activity are correlated with variations in sensitivity and toxicity to such drugs within individuals. A pseudogene for this locus is located on chromosome 18q. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TPMT thiopurine S-methyltransferase [Homo sapiens]
Official Symbol	TPMT
Synonyms	TPMT; thiopurine S-methyltransferase; S-adenosyl-L-methionine:thiopurine S-methyltransferase;

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Entrez Gene ID	7172
mRNA Refseq	NM_000367
Protein Refseq	NP_000358
UniProt ID	P51580
Chromosome Location	6p22.3
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolism, organism-specific biosystem; Methylation, organism-specific biosystem; Phase II conjugation, organism-specific biosystem;
Function	methyltransferase activity; thiopurine S-methyltransferase activity; transferase activity;

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