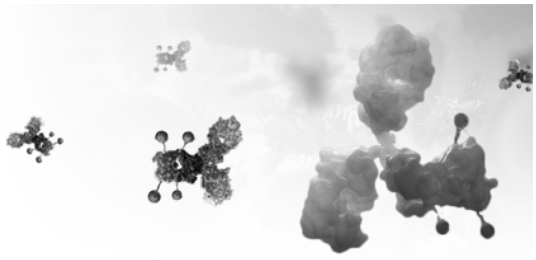

Human MTR blocking peptide (CDBP1929)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MTR antibody
Antigen Description	This gene encodes the 5-methyltetrahydrofolate-homocysteine methyltransferase. This enzyme, also known as cobalamin-dependent methionine synthase, catalyzes the final step in methionine biosynthesis. Mutations in MTR have been identified as the underlying cause of methylcobalamin deficiency complementation group G. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]
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	MTR 5-methyltetrahydrofolate-homocysteine methyltransferase [Homo sapiens]
Official Symbol	MTR
Synonyms	MTR; 5-methyltetrahydrofolate-homocysteine methyltransferase; methionine synthase; cblG; cobalamin-dependent methionine synthase; vitamin-B12 dependent methionine synthase; 5-methyltetrahydrofolate-homocysteine methyltransferase 1; MS; FLJ33168; FLJ43216;

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	FLJ45386;
Entrez Gene ID	4548
mRNA Refseq	NM_000254
Protein Refseq	NP_000245
UniProt ID	Q99707
Chromosome Location	1q43
Pathway	Biological oxidations, organism-specific biosystem; Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Methylation, organism-specific biosystem;
Function	cobalamin binding; folic acid binding; homocysteine S-methyltransferase activity; metal ion binding; methionine synthase activity; methyltransferase activity; transferase activity; zinc ion binding;

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