



Human MSH5 blocking peptide (CDBP1911)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MSH5 (C-term.) antibody
Antigen Description	This gene encodes a member of the mutS family of proteins that are involved in DNA mismatch repair and meiotic recombination. This protein is similar to a <i>Saccharomyces cerevisiae</i> protein that participates in segregation fidelity and crossing-over events during meiosis. This protein plays a role in promoting ionizing radiation-induced apoptosis. This protein forms hetero-oligomers with another member of this family, mutS homolog 4. Polymorphisms in this gene have been linked to various human diseases, including IgA deficiency, common variable immunodeficiency, and premature ovarian failure. Alternative splicing results multiple transcript variants. Read-through transcription also exists between this gene and the downstream chromosome 6 open reading frame 26 (C6orf26) gene. [provided by RefSeq, Feb 2011]
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	MSH5 mutS homolog 5 (E. coli) [Homo sapiens]
Official Symbol	MSH5

Synonyms	MSH5; mutS homolog 5 (E. coli); mutS (E. coli) homolog 5; mutS protein homolog 5; G7; NG23; MUTSH5; MGC2939; DKFZp434C1615;
Entrez Gene ID	4439
mRNA Refseq	NM_002441
Protein Refseq	NP_002432
UniProt ID	O43196
Chromosome Location	6p21.3
Pathway	Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem; Ovarian Infertility Genes, organism-specific biosystem;
Function	ATP binding; DNA-dependent ATPase activity; NOT damaged DNA binding; mismatched DNA binding; mismatched DNA binding; nucleotide binding;