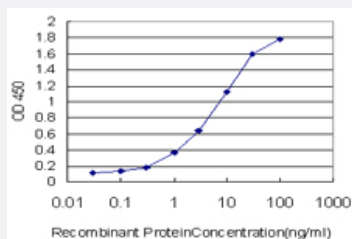


MSH5 monoclonal antibody (M08), clone 1C11

Catalog # H00004439-M08

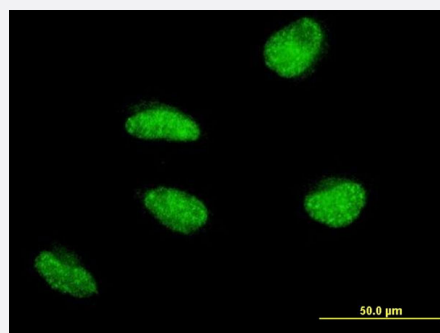
Size 100 ug

Applications



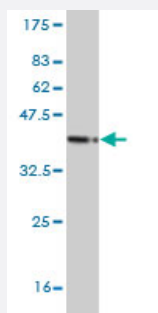
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MSH5 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MSH5 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant MSH5.

Immunogen	MSH5 (AAH02498, 736 a.a. ~ 835 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GNDLVFFYQVCEGVAKASHASHTAAQAGLPDKLVARGKEVSDLRSGKPIKPVKDLLKKNQMENCQTLVDKFMKLDLEDPNLDLNVFMSQEVLPAAATSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MSH5 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MSH5 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MSH5

Entrez GeneID [4439](#)

GeneBank Accession# [BC002498](#)

Protein Accession#	AAH02498
Gene Name	MSH5
Gene Alias	DKFZp434C1615, G7, MGC2939, MutSH5, NG23
Gene Description	mutS homolog 5 (E. coli)
Omim ID	603382
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the mutS family of proteins that are involved in DNA mismatch repair or meiotic recombination processes. This protein is similar to a Saccharomyces cerevisiae protein that participates in meiotic segregation fidelity and crossing-over. This protein forms hetero oligomers with another member of this family, mutS homolog 4. Alternative splicing results in four transcript variants encoding three different isoforms. [provided by RefSeq]
Other Designations	OTTHUMP00000029187 OTTHUMP00000029188 mutS homolog 5

Publication Reference

- [Spermatogenesis-specific association of SMCY and MSH5.](#)

Akimoto C, Kitagawa H, Matsumoto T, Kato S.

Genes to Cells : Devoted to Molecular & Cellular Mechanisms 2008 May; 13(6):623.

Application: IF, IHC-P, WB, Human, Mouse, Mouse testis, NEC8 cells

Disease

- [Abortion](#)
- [Arthritis](#)
- [Azoospermia](#)
- [Breast cancer](#)
- [Carcinoma](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
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- [Infertility](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
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- [Werner syndrome](#)