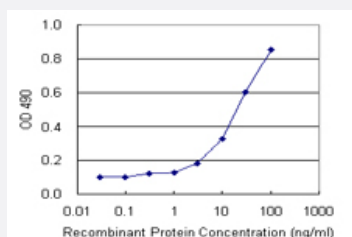


MCM4 (Human) Matched Antibody Pair

Catalog # H00004173-AP22

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human MCM4.
Reactivity	Human
Quality Control Testing	Standard curve using recombinant protein (H00004173-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-MCM4 (100 ug) 2. Detection antibody: mouse purified polyclonal anti-MCM4 (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

Gene Info — MCM4

Entrez GeneID [4173](#)

Gene Name MCM4

Gene Alias CDC21, CDC54, MGC33310, P1-CDC21, hCdc21

Gene Description minichromosome maintenance complex component 4

Omim ID [602638](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre-RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq]

Other Designations

DNA replication licensing factor MCM4|MCM4 minichromosome maintenance deficient 4|homolog of S. pombe cell division cycle 21|minichromosome maintenance deficient 4

Pathway

- [Cell cycle](#)
- [DNA replication](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Occupational Diseases](#)