

Mouse DNA replication licensing factor MCM2 (MCM2) ELISA Kit



Catalog No: #EK9820

Orders: order@signalwayantibody.com

Package Size: #EK9820-1 48T #EK9820-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse DNA replication licensing factor MCM2 (MCM2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	BM28; CCNL1; CDCL1; D3S3194; KIAA0030; MGC10606; MITOTIN; cdc19; DNA replication licensing factor MCM2 MCM2 minichromosome maintenance deficient 2; mitotin cell division cycle-like 1 cyclin-like 1 m
Accession No.	P97310
Uniprot	P97310
GeneID	17216;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:25-1600 pg/mL

Sensitivity:6.25 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle: This assay employs a two-site sandwich ELISA to quantitate MCM2 in samples. An antibody specific for MCM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MCM2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MCM2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MCM2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview: DNA replication licensing factor MCM2 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in 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.

Note: This product is for in vitro research use only