

Human Ki-67 Protein (Ki67P) ELISA Kit | Ki67P elisa kit

Human Ki-67 Protein (Ki67P) ELISA Kit

CATALOG #
AAA185448

REACTIVITY
Human

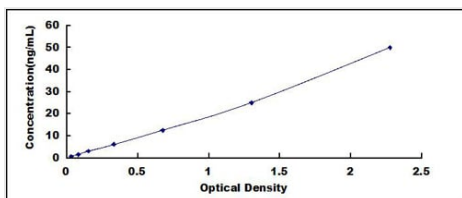
PRODUCT SYNONYMS

Ki-67 Protein (Ki67P); Human Ki-67 Protein (Ki67P) ELISA Kit; MKI67; KIA; Ki-67; Antigen Identified By Monoclonal Antibody Ki-67; Ki67P elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ki-67 Protein (Ki67P). No significant cross-reactivity or interference between Ki-67 Protein (Ki67P) and analogues was observed.
Sequence Length	2,936
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.32ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ki-67 Protein (Ki67P) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ki-67 Protein (Ki67P) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ki67P elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ki-67 Protein (Ki67P). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ki-67 Protein (Ki67P). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ki-67 Protein (Ki67P), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Ki-67 Protein (Ki67P) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1177528
NCBI GeneID	17345
UniProt Accession #	Q61769; Q7TSF6; E9PVX6
Molecular Weight	324,718 Da
NCBI Official Full Name	Ki-67
NCBI Official Synonym Full Names	antigen identified by monoclonal antibody Ki 67
NCBI Official Symbol	Mki67
NCBI Official Synonym Symbols	Ki67; Ki-67; D630048A14Rik
NCBI Protein Information	proliferation marker protein Ki-67; antigen KI-67
UniProt Protein Name	Proliferation marker protein Ki-67
UniProt Gene Name	Mki67
UniProt Synonym Gene Names	Antigen KI-67 homologCurated; Antigen Ki67 homologCurated

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.