

Human Antigen KI-67 ELISA Kit | MKI67 elisa kit

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CATALOG #
AAA17649

REACTIVITY
Human

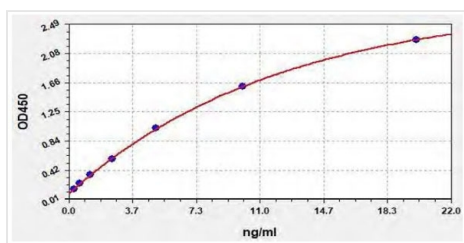
PRODUCT SYNONYMS

Antigen KI-67; Human Antigen KI-67 ELISA Kit; MKI67/Antigen KI-67/Ki-67/KiA/TSG126/antigen identified by monoclonal Ki-67/KiA/proliferation-related Ki-67 antigen; MKI67 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize MKI67, no obvious cross reaction with other analogues
Sequence Length	106
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MKI67 elisa kit	Background: Antigen KI-67(Ki67,also known as MKI67) is a nuclear protein that is expressed in proliferating cells and may be required for maintaining cell proliferation. Ki67 has been used as a marker for cell proliferation of solid tumors and some hematological malignancies. A correlation has been demonstrated between Ki67 index and the histopathological grade of neoplasms. Assessment of Ki67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate highrisk patients. Ki67 expression may also prove to be important for distinguishing between malignant and benign peripheral nerve sheath tumors. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti MKI67 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti MKI67 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with MKI67 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of MKI67 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	213515358
NCBI GeneID	100196380
NCBI Accession #	NP_001134881.1
NCBI GenBank Nucleotide #	NM_001141409.1
NCBI Official Full Name	Antigen KI-67
NCBI Official Symbol	ki67
NCBI Protein Information	Antigen KI-67

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.

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Online datasheet: <https://stage.aaabiotech.com/mki67-human-elisa-kits/antigen-ki-67/17649>