

Canine Antigen KI-67 (Ki-67) ELISA Kit | MKI67 elisa kit

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CATALOG #
AAA244950

REACTIVITY
Canine

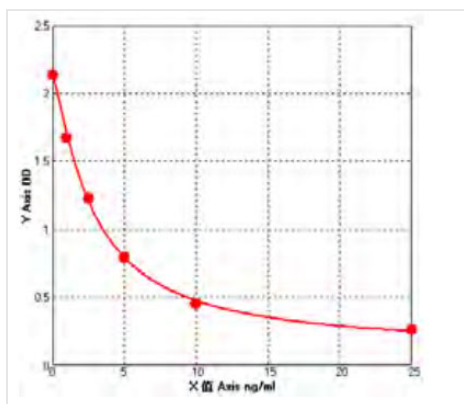
PRODUCT SYNONYMS

Antigen KI-67 (Ki-67); Canine Antigen KI-67 (Ki-67) ELISA Kit; MKI67 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Ki67. No significant cross-reactivity or interference between Ki67 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Ki67 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MKI67 elisa kit	Principle of the Assay: Ki67 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Ki67 antibody and an Ki67-HRP conjugate. The assay sample and buffer are incubated together with Ki67-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Ki67 concentration since Ki67 from samples and Ki67-HRP conjugate compete for the anti-Ki67 antibody binding site. Since the number of sites is limited, as more sites are occupied by Ki67 from the sample, fewer sites are left to bind Ki67-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Ki67 concentration in each sample is interpolated from this standard curve. Intended Uses: This Ki67 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Ki67. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MKI67 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	118572663
NCBI GeneID	4288
Molecular Weight	319,444 Da
NCBI Official Full Name	Antigen KI-67
NCBI Official Synonym Full Names	marker of proliferation Ki-67
NCBI Official Symbol	MKI67
NCBI Official Synonym Symbols	KIA; MIB-; MIB-1; PPP1R105
NCBI Protein Information	antigen KI-67; proliferation-related Ki-67 antigen; protein phosphatase 1, regulatory subunit 105; antigen identified by monoclonal antibody Ki-67
UniProt Protein Name	Antigen KI-67
UniProt Gene Name	MKI67
UniProt Entry Name	KI67_HUMAN

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-canine-elisa-kits/antigen-ki-67-ki-67/244950>