

Human Ki67 ELISA Kit | Ki67 elisa kit

Human Ki67 PicoKine ELISA Kit

CATALOG #
AAA125047

REACTIVITY
Human

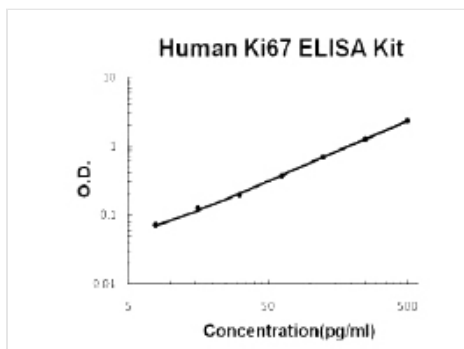
PRODUCT SYNONYMS

Ki67; Human Ki67 PicoKine ELISA Kit; Human Ki67; Ki67 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MCAM
Sequence Length	46
Samples	Cell Culture Supernates And Serum
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ki67 elisa kit	Principle of the Assay: The Picokine Human MCAM Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human MCAM with a 96-well strip plate that is pre-coated with antibody specific for MCAM. The detection antibody is a biotinylated antibody specific for MCAM. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human MCAM with immunogen: Expression system for standard: NSO, Immunogen sequence: V24-G559. The kit is analytically validated with ready to use reagents. To measure Human MCAM, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human MCAM in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MCAM in the sample!!Background/Introduction: CD146 (cluster of differentiation 146) also known as the melanoma cell adhesion molecule (MCAM) or cell surface glycoprotein MUC18, is a 113kDa cell adhesion molecule currently used as a marker for endothelial cell lineage. In humans, the CD146 protein is encoded by the MCAM gene. By radiation hybrid analysis, it mapped the CD146 gene to chromosome 11q23.3.It is a member of the immunoglobulin superfamily, is homologous to several cell adhesion molecules and is associated with tumor progression and the development of metastasis in human malignant melanoma. CD146 has been demonstrated to appear on a small subset of T and B lymphocytes in the peripheral blood of healthy individuals. The CD146+ T cells display an immunophenotype consistent with effector memory cells and have a distinct gene profile from the CD146-T cells.CD146 has been seen as a marker for mesenchymal stem cells isolated from multiple adult and fetal organs, and its expression may be linked to multipotency; mesenchymal stem cells with greater differentiation potential express higher levels of CD146 on the cell surface.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40644055
NCBI GeneID	4288
UniProt Accession #	Q70L72; P46013
NCBI Official Full Name	Ki67 Antigen, partial
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	proliferation marker protein 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/human-elisa-kits/ki67/125047>