

Human Survivin ELISA Kit | BIRC5 elisa kit

Human Survivin PicoKine ELISA Kit

CATALOG #
AAA45283

REACTIVITY
Human

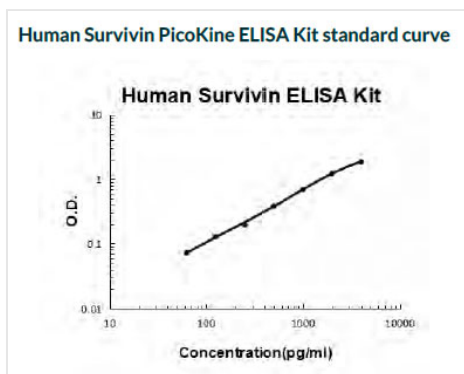
PRODUCT SYNONYMS

Survivin; Human Survivin PicoKine ELISA Kit; Baculoviral IAP repeat-containing protein 5; baculoviral IAP repeat containing 5; API4; Apoptosis inhibitor 4; Apoptosis inhibitor survivin; Baculoviral IAP repeat containing 5; BIRC5; BIRC5_HUMAN; EPR 1; BIRC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human BIRC5
Sequence Length	142
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA).
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<2 pg/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 across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BIRC5 elisa kit

Background: Survivin (also termed API4) belongs to the family of genes known as inhibitors of apoptosis, and it has been implicated in both prevention of cell death and control of mitosis. Survivin is prominently expressed in transformed cell lines and in all the most common human cancers of lung, colon, pancreas, prostate and breast in vivo. It is also found in approximately 50% of high-grade non-Hodgkin's lymphomas. Survivin encodes a deduced 142-amino acid protein and localizes on chromosome 17q25. The overexpression of it in cancer may overcome an apoptotic checkpoint and favour aberrant progression of transformed cells through mitosis. The standard product used in this kit is recombinant human Survivin with the molecular mass of 34 KDa.

Principle of the Assay: The Picokine™ Human BIRC5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human BIRC5 with a 96-well strip plate that is pre-coated with antibody specific for BIRC5. The detection antibody is a biotinylated antibody specific for BIRC5. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human BIRC5 with immunogen: Expression system for standard: E.coli; Immunogen sequence: M1-D142. The kit is analytically validated with ready-to-use reagents. To measure Human BIRC5, 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 unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human BIRC5 in the sample. Read the absorbance 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 BIRC5 in the sample.

NCBI AND UNIPROT INFORMATION

NCBI GI #	380865472
NCBI GeneID	332
UniProt Accession #	O15392; Q2I3N8; Q4VGX0; Q53F61; Q5MGC6; Q6FHL2; Q75SP2; Q9P2W8; A2SUH6; B2R4R1
Molecular Weight	8,490 Da
NCBI Official Full Name	Baculoviral IAP repeat-containing protein 5
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 5
NCBI Official Symbol	BIRC5
NCBI Official Synonym Symbols	API4; EPR-1
NCBI Protein Information	baculoviral IAP repeat-containing protein 5; apoptosis inhibitor 4; survivin variant 3 alpha; apoptosis inhibitor survivin
UniProt Protein Name	Baculoviral IAP repeat-containing protein 5
UniProt Gene Name	BIRC5
UniProt Synonym Gene Names	API4; IAP4
UniProt Entry Name	BIRC5_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://www.aaabiotech.com/birc5-human-elisa-kits/survivin/45283>