

Human Livin ELISA Kit | BIRC7 elisa kit

Human Livin PicoKine ELISA Kit

CATALOG #
AAA45850

REACTIVITY
Human

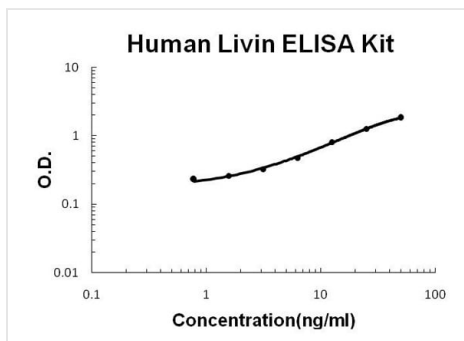
PRODUCT SYNONYMS

Livin; Human Livin PicoKine ELISA Kit; Baculoviral IAP repeat-containing protein 7; baculoviral IAP repeat containing 7; Baculoviral IAP repeat containing 7; Baculoviral IAP repeat containing protein 7; BIRC 7; BIRC7; BIRC7_HUMAN; KIAP; Kidney inhibitor of apoptosis protein; LIVIN; Livin inhibitor of apoptosis; Melanoma inhibitor of apoptosis protein; ML IAP; ML-IAP; MLIAP; RING finger protein 50; RNF 50; RNF50; BIRC7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Livin
Sequence Length	298
Samples	Cell culture supernates, serum, Cell lysates and tissue homogenates
Assay Type	Sandwich
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	< 20pg/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 between 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)

Human Livin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for BIRC7 elisa kit	Principle of the assay: human Livin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Livin has been precoated onto 96-well plates. Standards(E.coli, M1-S298) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Livin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Livin amount of sample captured in plate. Background: BIRC7, also called KIAP or Livin, is a protein that in humans is encoded by the BIRC7 gene. This gene is mapped to 20q13.33. It encodes a member of the inhibitor of apoptosis protein (IAP) family, and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. Elevated levels of the encoded protein may be associated with cancer progression and play a role in chemotherapy sensitivity. BIRC7 blocked apoptosis induced by BAX induction of cytochrome C release from mitochondria, and it also can block apoptosis induced by chemotherapeutic agents.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21759008
NCBI GeneID	79444
UniProt Accession #	Q96CA5; Q9BQV0; Q9H2A8; Q9HAP7
Molecular Weight	30,866 Da
NCBI Official Full Name	Baculoviral IAP repeat-containing protein 7
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 7
NCBI Official Symbol	BIRC7
NCBI Official Synonym Symbols	KIAP; LIVIN; MLIAP; RNF50; ML-IAP
NCBI Protein Information	baculoviral IAP repeat-containing protein 7; RING finger protein 50; livin inhibitor of apoptosis; kidney inhibitor of apoptosis protein; melanoma inhibitor of apoptosis protein
UniProt Protein Name	Baculoviral IAP repeat-containing protein 7
UniProt Gene Name	BIRC7
UniProt Synonym Gene Names	KIAP; LIVIN; MLIAP; RNF50; KIAP; ML-IAP; Truncated livin; p30-Livin; tLivin
UniProt Entry Name	BIRC7_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.