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## Datasheet for ABIN6720313 **BIRC7 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	BIRC7
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Baculoviral IAP repeat containing 7, Baculoviral IAP repeat containing protein 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</p> <p>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</p>

## Product Details

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.

Gene Name: BIRC7

Production: Natural and recombinant human Livin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: M1-S298

## Target Details

Target:	BIRC7
Alternative Name:	Livin ( <a href="#">BIRC7 Products</a> )
Gene ID:	79444
NCBI Accession:	<a href="#">NP_071444</a>
UniProt:	<a href="#">Q96CA5</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL human Livin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, cell lysates or tissue homogenates to each empty well. It is recommended that each human Livin standard solution and each sample be measured in duplicate.</p> <p>ELISA Dilution: 0.78 ng/mL-50 ng/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	RT,4 °C,-20 °C
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## Handling

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Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.