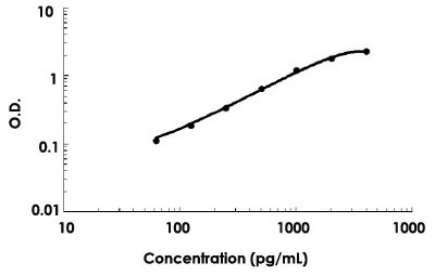
BIRC5 (Human) ELISA Kit

Catalog # KA0441 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	BIRC5 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human BIRC5.
Suitable Sample	Cell Culture Supernatant, Cell Lysates, Plasma (EDTA, Heparin), Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

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- Quantification

Gene Info — BIRC5

Entrez GeneID	332
Gene Name	BIRC5
Gene Alias	API4, EPR-1
Gene Description	baculoviral IAP repeat-containing 5
Omim ID	603352
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors yet low in adult tissues. Antisense transcripts are involved in the regulation of this gene's expression. At least four transcript variants encoding distinct isoforms have been found for this gene, but the full-length natures of only three of them have been determined. [provided by RefSeq
Other Designations	apoptosis inhibitor 4|baculoviral IAP repeat-containing protein 5|survivin variant 3 alpha

Publication Reference

- Detection of survivin expression in bladder cancer and renal cell carcinoma using specific monoclonal antibodies.

  Chen D, Xu J, Zhang Q.

  Oncology Reports 2018 Jun; 39(6):2817.

- Survivin is not a promising serological maker for the diagnosis of hepatocellular carcinoma.

  Jia X, Gao Y, Zhai D, Liu J, Wang Y, Jing LI, DU Z.

  Oncology Letters 2015 May; 9(5):2347.

  Application: ELISA, Human, Serum

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- Inhibitor of apoptosis protein survivin regulates vascular injury.

  Blanc-Brude OP, Yu J, Simosa H, Conte MS, Sessa WC, Altieri DC.

  Nature Medicine 2002 Sep; 8(9):987.

- Control of apoptosis and mitotic spindle checkpoint by survivin.

  Li F, Ambrosini G, Chu EY, Plescia J, Tognin S, Marchisio PC, Altieri DC.

  Nature 1998 Dec; 396(6711):580.

- A novel anti-apoptosis gene, survivin, expressed in cancer and lymphoma.

  Ambrosini G, Adida C, Altieri DC.

  Nature Medicine 1997 Aug; 3(8):917.

Pathway

- Colorectal cancer
- Pathways in cancer

Disease

- Adenocarcinoma
- Carcinoma
- Cell Transformation
- Colorectal Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Lymphatic Metastasis

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- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Pancreatic Neoplasms
- Papillomavirus Infections
- Stomach Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms

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