

## Human Apoptosis inhibitor 4 (API4) ELISA Kit

Catalog No: #EK12068



Package Size: #EK12068-1 48T #EK12068-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Human Apoptosis inhibitor 4 (API4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	API4; EPR-1; apoptosis inhibitor 4 baculoviral IAP repeat-containing protein 5 survivin variant 3 alpha
Accession No.	O15392
Uniprot	O15392
GeneID	332;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:12.4 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate BIRC5 in samples. An antibody specific for BIRC5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBIRC5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BIRC5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BIRC5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Survivin 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.

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Note: This product is for in vitro research use only