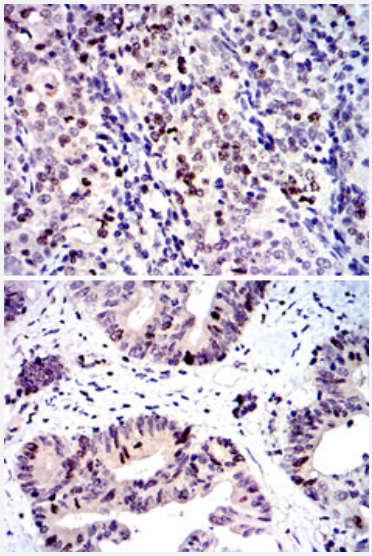
BIRC5 monoclonal antibody, clone 1H5

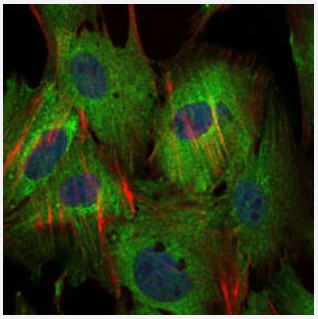
Catalog # MAB10608 Size 100 ug

Applications



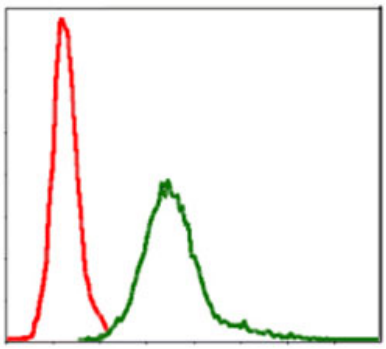
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cervical cancer (upper) and human colon cancer (bottom) tissues using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of MSCs cells using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filamentshave been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry

Flow cytometric analysis of Jurkat cells using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) (green) and negative control (red).

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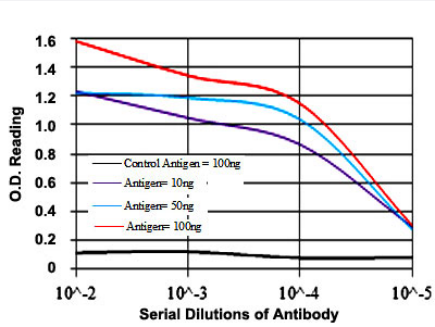
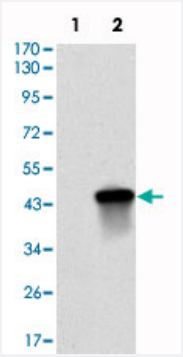


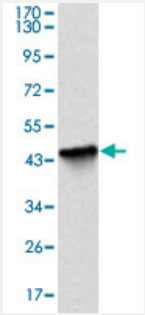
Enzyme-linked Immunoabsorbent Assay

ELISA measurement of BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) .



Western Blot (Transfected lysate)

Western blot analysis using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) against HEK293 (1) and BIRC5 (aa 1-142) -hIgGFc transfected HEK293 (2) cell lysate.



Western Blot (Recombinant protein)

Western blot analysis using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) against human BIRC5 (aa 1-142) recombinant protein. (Expected MW is 16 kDa)

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant BIRC5.
Immunogen	Recombinant protein corresponding to human BIRC5.
Host	Mouse
Theoretical MW (kDa)	16
Reactivity	Human
Form	Liquid
Isotype	IgG1

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Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- ### Enzyme-linked Immunoabsorbent Assay

  ELISA measurement of BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) .

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- ### Western Blot (Recombinant protein)

  Western blot analysis using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) against human BIRC5 (aa 1-142) recombinant protein. (Expected MW is 16 kDa)

Gene Info — BIRC5

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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

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

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- Leukemia
- Lung Neoplasms
- Lymphatic Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Pancreatic Neoplasms
- Papillomavirus Infections
- Stomach Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms

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