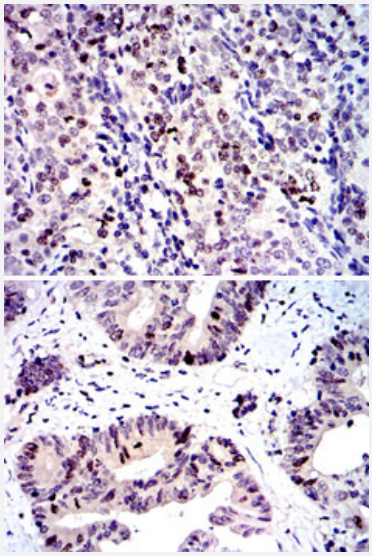
# BIRC5 monoclonal antibody, clone 1H5

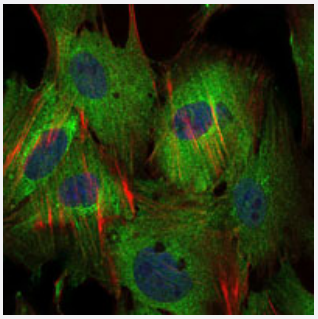
Catalog # MAB10608 Size 100 ug

## Applications



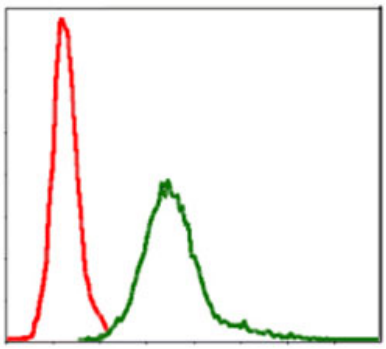
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

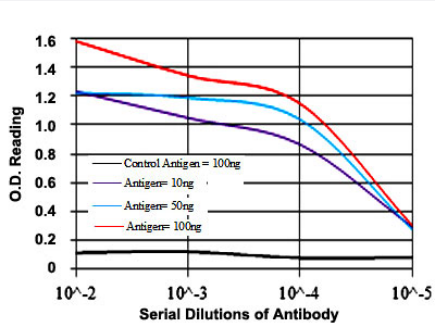
Immunofluorescence analysis of MSCs cells using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filamentshave been labeled with Alexa Fluor-555 phalloidin.



### Flow Cytometry

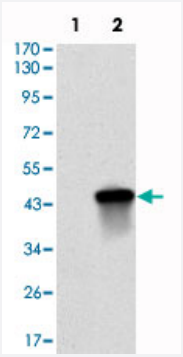
Flow cytometric analysis of Jurkat cells using BIRC5 monoclonal antibody, clone 1H5 (Cat # MAB10608) (green) and negative control (red).

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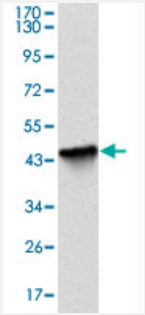

## Enzyme-linked Immunoabsorbent Assay

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)<br>Western Blot (1:500-1:2000)<br>Immunohistochemistry (1:200-1:1000)<br>Immunofluorescence (1:200-1:1000)<br>Flow cytometry (1:200-1:400)<br>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.<br>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

- ### 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 filaments have 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).

- ### 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)

## 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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