**GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunogen:</td>
<td>A synthetic peptide corresponding to the HA-tag sequence (YPYDVPDYA).</td>
</tr>
<tr>
<td>Antibody Type:</td>
<td>Mouse Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone ID:</td>
<td>10</td>
</tr>
<tr>
<td>Preparation:</td>
<td>This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, a synthetic peptide corresponding to the HA-tag sequence. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.</td>
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<tr>
<td>Ig Type:</td>
<td>Mouse IgG1</td>
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<tr>
<td>Specificity:</td>
<td>Recognize N-terminal and C-terminal HA Tag in fusion proteins.</td>
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<tr>
<td>Formulation:</td>
<td>0.2 μm filtered solution in PBS, pH7.4</td>
</tr>
<tr>
<td>Storage:</td>
<td>This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- **Applications:** WB, ELISA, FCM, ICC/IF, IF, IP

**RECOMMENDED CONCENTRATION**

- **Western Blot:** WB: 1/2000-1/5000
- **ELISA:** ELISA: 1/2000-1/5000
- **ICC/IF:** ICC/IF: 1/200-1/500
- **Immunoprecipitation:** IP: 2-8 μL/mg of lysate

*Please Note: Optimal concentrations/dilutions should be determined by the end user.*
Anti-HA Tag Antibody

Catalog Number: 100028-MM10

**WB:** 1/2000-1/5000

Anti-HA Tag mouse monoclonal antibody at 1:1000 dilution
Lane A: HA-GST (Recombinant protein)(30ng)
Lane B: GST-HA (Recombinant protein)(10ng)
Lane C: HA-ARG1-myc transfected 293 cell lysate (2ug)
Lane D: HA-mFABP4-myc transfected 293 cell lysate (2ug)
Lane E: myc-mFABP4-HA transfected 293 cell lysate (0.5ug)
Lane F: myc-ARG1-HA transfected 293 cell lysate (2ug)

Secondary
Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.

**ELISA:** 1/2000-1/5000

Anti-HA Tag was immunoprecipitated using:
Lane A: HA-ARG1-myc transfected 293 cell lysate (0.5mg)
Lane B: myc-ARG1-HA transfected 293 cell lysate (0.5mg)

2 μL anti-HA Tag mouse monoclonal antibody and 60 μg of Immunomagnetic beads Protein G.

Primary antibody:
Anti-HA Tag rabbit monoclonal antibody, at 1:100 dilution

Secondary
Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.

**IP:** 2-8 μL/mg of lysate

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Anti-HA Tag Antibody

Catalog Number: 100028-MM10

Immunochromy –

ICC/IF: 1/200-1/500

Immunofluorescence staining of HA-Tag in 293 cells, transfected with HA-ARG1 (L) or mock-transfected (R). Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with SBI Mouse anti-HA-tag monoclonal antibody at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green).

Flow Cytometry –

Profile of anti-HA Tag reactivity on 293 transfected cells analyzed by flow cytometry. 293 cells transfected with HA-ARG1 (Figure A), HA-mFABP4 (Figure B), ARG1-HA (Figure C) and mFABP4-HA (Figure D) were fixed and permeabilized according to the manufacturer's manual (Cat. No. 554714, BD Pharmingen) and subsequently stained with Purified Mouse Anti-HA Tag antibody (Cat No. 100028-MM10, 0.5 μl/Test) or positive control antibody (1 μg/Test) for 30 min on ice. Cells were washed twice and incubated with 1 μg of a FITC Goat Anti-Mouse Ig secondary antibody for 30 min on ice. Cells were washed twice and analyzed by flow cytometry.

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