

## Anti-HA Tag Antibody (6T48)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	other
Conjugation:	Unconjugated
Clone:	6T48
Purification:	Protein A

## Applications

## Verified Activity:

1. This antibody can be used at 0.5-1 µg/mL with the appropriate secondary reagents to detect HA-tagged protein (amino-terminus HA tag or carboxy-terminus HA tag).
2. 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 and subsequently stained with Purified Mouse Anti-HA Tag antibody Or positive control antibody 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.
3. 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).
4. Immunofluorescence staining of HA-Tag in 293 cells, transfected with HA-ARG1 (Figure A), HA-mFABP4 (Figure B), ARG1-HA (Figure C) and mFABP4-HA (Figure D). Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with 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) and counterstained with DAPI (blue).
5. 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.
6. 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)

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- 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.

Application: ELISA,FCM,ICC/IF,IP,WB

Recommended WB: 1:2000-1:5000; ELISA: 1:2000-1:5000; ICC-IF: 1:200-1:500; FCM: 1:25-1:100; IP: 2-8 µL/mg of lysate

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: A synthetic peptide: HA-tag sequence (YPYDVPDYA).

Antigen Species: other

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### Research Background

The human influenza hemagglutinin (HA) epitope was derived from the protein on the HA virus. HA tag is the amino acid sequence of a YPYDVPDYA tag and a particularly common tags. HA is tagged onto proteins for study and analysis and often used in fusion protein-related research through the realization of detection of HA-tag for the detection of fusion proteins. Antibodies to HA-tag are the key of the most important tools in the detection and often used in purification of HA tag-related proteins, study of the protein interaction and detection of target protein expression.

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