

# Anti-HA antibody



Catalog Number: 101195

## Product name

Anti-HA antibody

## Specificity

Recognize N-terminal and C-terminal HA Tag in fusion proteins.

## Antibody description

Mouse monoclonal to HA

## Preparation

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.

## Formulation

0.2 µm filtered solution in PBS with 5% trehalose

## Storage

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.

## Clonality

Monoclonal

## Ig Type

Mouse IgG1

## Applications

ELISA, WB, FCM, IF, ICC/IF

## Dilutions

WB: 1/2000-1/5000

ELISA: 1/2000-1/5000

This antibody can be used at 1/2000-1/5000 dilution with the appropriate secondary reagents to detect HA-tagged protein (amino-terminus HA tag or carboxy-terminus HA tag).

FCM: 1/50-1/200

ICC/IF: 1/200-1/500

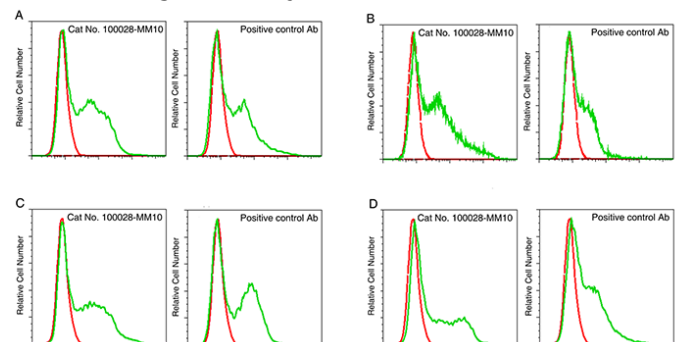
## Validations



Items	Lanes	A	B
Sample (Protein)		HA-GST	GST-HA
Sample Volume (µg/lane)		30	10
Gel		13% SDS-PAGE reducing gel	
Recommended Concentration		1/2000-1/5000	
Secondary Antibody		Dylight 800-Labeled Antibody To Mouse IgG (H+L), at 1:7500 dilution.	

Items	Lanes	A	B	C	D
Sample (293cell lysate)		HA-ARG1	HA-mFABP4	mFABP4-HA	ARG1-HA
Sample Volume (µg/lane)		2	2	0.5	2
Gel		13% SDS-PAGE reducing gel			
Recommended Concentration		1/2000-1/5000			
Secondary Antibody		Dylight 800-Labeled Antibody To Mouse IgG (H+L), at 1:7500 dilution.			

## Anti-HA Tag Antibody, Mouse MAb, Western blot

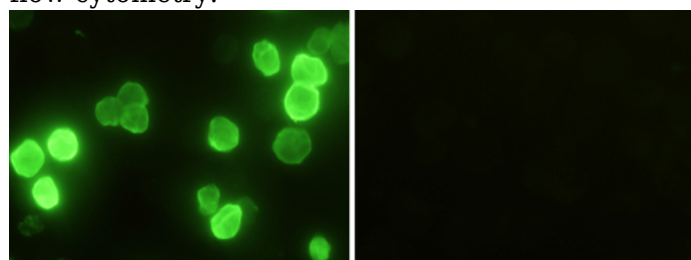


Purified HA-Tag, with negative control, Cat No. 100028-MM10 or Positive control Ab (FITC second step)

## Anti-HA Tag Antibody, Mouse Mab, Flow Cytometry

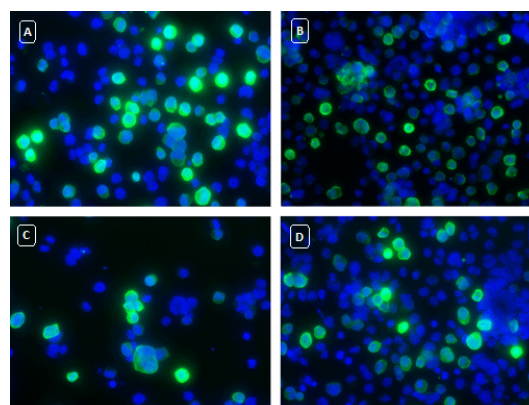
Profile of anti-HA Tag reactivity on 293 transfected cells analyzed by flow cytometry. 293 cells transfected with HA-ARG1 (Figure A), HA-mFABP4 (Figure B), ARG1-HA (Figure C) and

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) Or positive control antibody for 30 min on ice. Cells were washed twice and incubated with 1  $\mu$ g of a FITC Goat Anti-Mouse Ig secondary antibody for 30 min on ice. Cells were washed twice and analyzed by flow cytometry.



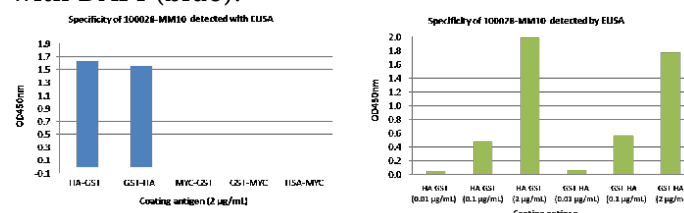
Anti-HA Tag Antibody, Mouse Mab, Immunofluorescence

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).



Anti-HA Tag Antibody, Mouse Mab, Immunofluorescence

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).



Anti-HA Tag Antibody, Mouse MAb, ELISA

This antibody can be used at 0.5-1  $\mu$ g/mL with the appropriate secondary reagents to detect HA-tagged protein (amino-terminus HA tag or carboxy-terminus HA tag).