

# Mouse anti HA-Tag mAb

Catalog No.: AE008 **115 Publications**

## Basic Information

### Observed MW

Refer to Figures

### Calculated MW

### Category

Tag antibody

### Applications

ELISA, WB, IF/ICC, IP

### Cross-Reactivity

Species independent

### CloneNo number

AMC0503

## Background

Protein tags are peptide sequences genetically grafted onto a recombinant protein. Often these tags are removable by chemical agents or by enzymatic means, such as proteolysis or intein splicing. Tags are attached to proteins for various purposes. Epitope tags are short peptide sequences which are chosen because high-affinity antibodies can be reliably produced in many different species. These are usually derived from viral genes, which explain their high immunoreactivity. Epitope tags include V5-tag, Myc-tag, HA-tag and NE-tag. These tags are particularly useful for western blotting, immunofluorescence and immunoprecipitation experiments, although they also find use in antibody purification.

## Recommended Dilutions

<b>WB</b>	1:2000 - 1:10000
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

## Immunogen Information

**Gene ID** **Swiss Prot**

### Immunogen

A synthetic peptide corresponding to HA tag.

### Synonyms

HA; HA tag; HA-tag

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

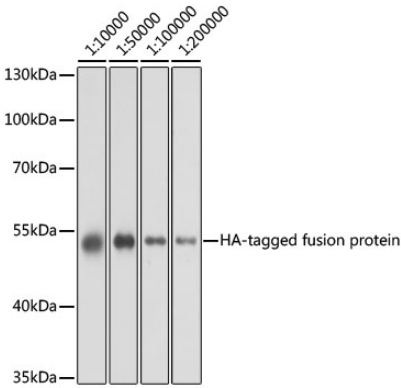
## Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Mouse	IgG1, Kappa	Affinity purification

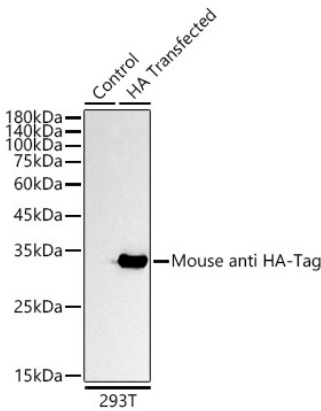
### Storage

Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

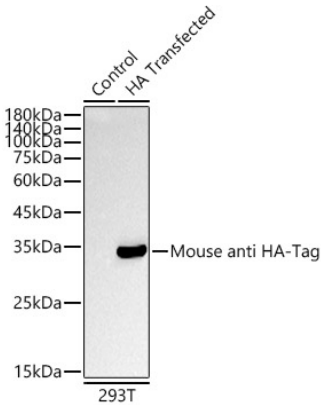
Validation Data



Western blot analysis of over-expressed HA-tagged protein in 293T cell using Mouse anti HA-Tag mAb (AE008) at different dilution. Each lane was loaded with 2 ug cell lysate.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.

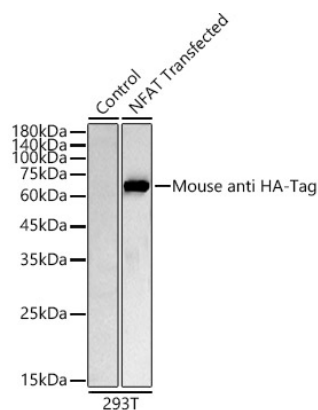


Western blot analysis of lysates from 293T cells, using Mouse anti HA-Tag mAb (AE008) at 1:5000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Western blot analysis of lysates from 293T cells, using Mouse anti HA-Tag mAb (AE008) at 1:10000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.

## Validation Data



Western blot analysis of lysates from 293T cells, using Mouse anti HA-Tag mAb (AE008) at 1:5000 dilution.

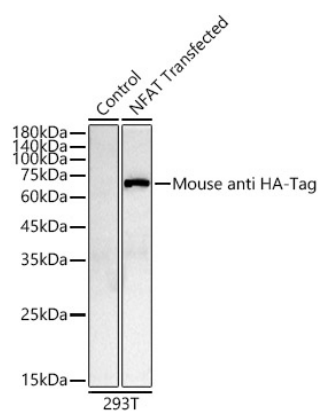
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of lysates from 293T cells, using Mouse anti HA-Tag mAb (AE008) at 1:10000 dilution.

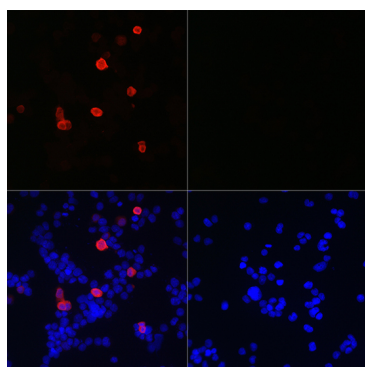
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

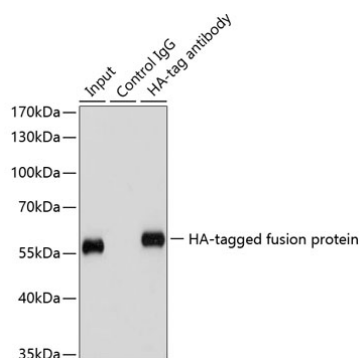
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunofluorescence analysis of 293T cells transfected with HA-Tag fusion protein and untreated 293T cells use Mouse anti HA-Tag mAb (AE008) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation of over-expressed HA-tagged protein in 293T cells using HA-tag antibody (AE008). A mock served as negative control and over-expressed 293T cell lysate served as positive control.