

# Mouse anti His-Tag mAb

Catalog No.: AE003

236 Publications

## Basic Information

### Observed MW

35 kDa (Snail transfected)/58 kDa (CYP1A2 transfected)

### Calculated MW

### Category

Tag antibody

### Applications

WB,IF/ICC,IP,ELISA

### Cross-Reactivity

Species independent

### CloneNo number

AMC0149

## Background

Consecutive histidine residues (usually 6 to 10 in length) are often inserted into the amino acid sequences of recombinant proteins. The resulting His-tagged proteins can be detected by using His antibodies.

## Recommended Dilutions

**WB** 1:5000 - 1:30000

**IF/ICC** 1:5000-1:10000

**IP** 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

### Swiss Prot

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

His;His tag;His-tag

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG1

### Purification

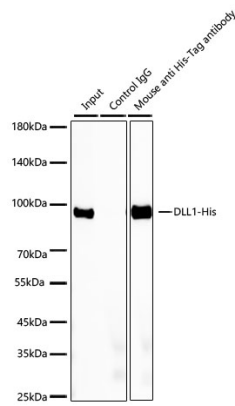
Affinity purification

### Storage

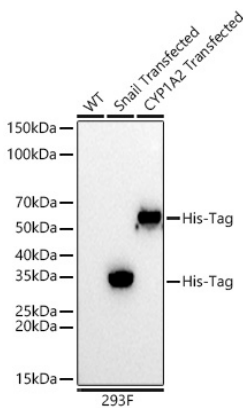
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

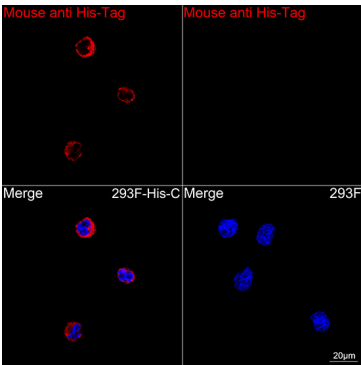
Validation Data



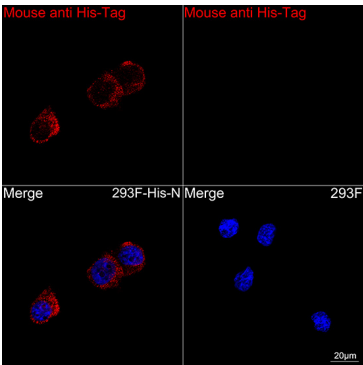
Immunoprecipitation of DLL1-His from 300 µg extracts of 293F cells transfected with a DLL1 expression vector containing a single N-terminal His-Tag was performed using 1 µg of Mouse anti His-Tag mAb (AE003). Mouse IgG isotype control (AC011) was used to precipitate the Control IgG sample. The IP sample was eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Rabbit anti His-tag mAb (AE086) at a dilution of 1:10000.



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with His-Tag using Mouse anti His-Tag mAb (AE003) at 1:30000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 20 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 s.



Confocal imaging of 293F cells transfected with His-C using Mouse anti His-Tag mAb (AE003, dilution 1:10000) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of 293F cells transfected with His-N using Mouse anti His-Tag mAb (AE003, dilution 1:10000) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.