

AE003

Leader in Biomolecular Solutions for Life Science



Mouse anti His-Tag mAb

Catalog No.: AE003

224 Publications

Basic Information

Observed MW

27kDa,35kDa/

Calculated MW

Category

Monoclonal 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.

Contact

 www.abclonal.com

Immunogen Information

Gene ID

Swiss Prot

Immunogen

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

Synonyms

His;His tag;His-tag

Product Information

Source

Mouse

Isotype

IgG1

Purification

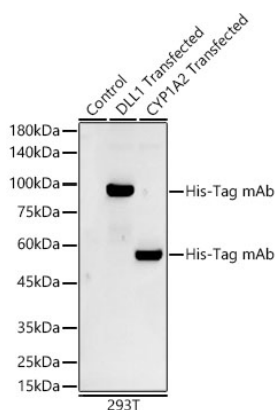
Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Validation Data



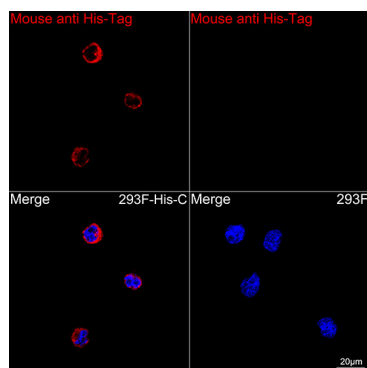
Western blot analysis of various lysates, using His-Tag mAb (AE003) at 1:5000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

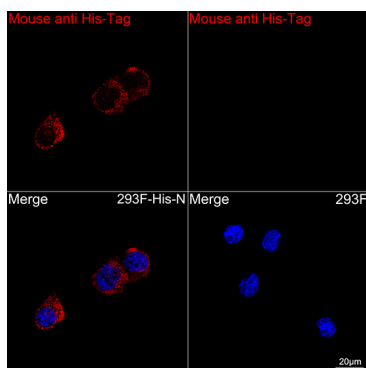
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

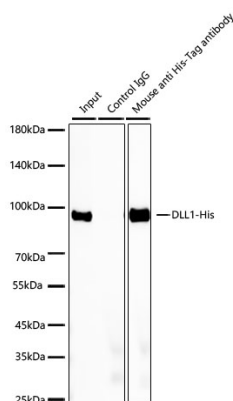
Exposure time: 90s.



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.



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.