

AE003

Leader in Biomolecular Solutions for Life Science



Mouse anti His-Tag mAb

Catalog No.: AE003

220 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 - 1:20000

IF/ICC 1:50-1:200

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

A synthetic peptide corresponding to His tag.

Synonyms

His;His tag;His-tag

Product Information

Source

Mouse

Isotype

IgG1

Purification

Affinity purification

Contact



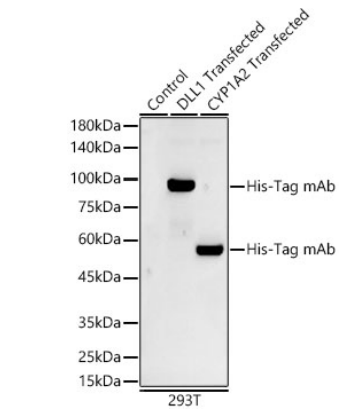
www.abclonal.com

Storage

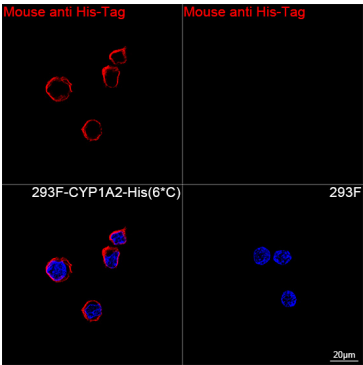
Store at -20°C. Avoid freeze / thaw cycles.

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

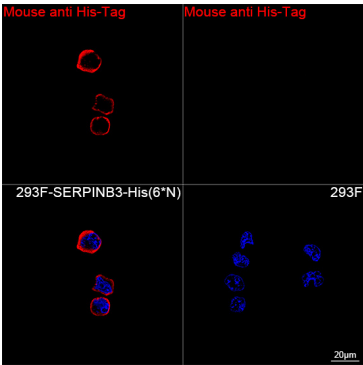
Validation Data



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-Tag using Mouse anti His-Tag mAb (AE003, dilution 1:100) followed by a further incubation with Cy3-conjugated 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-Tag using Mouse anti His-Tag mAb (AE003, dilution 1:100) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.