Mouse anti His-Tag Monclonal Antibody

CABE003

Description

This Mouse anti His-Tag Monclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABE003
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	His, His tag, His-tag
Clone:	AMC0149
Applications:	WB IF/ICC IP ELISA
Conjugation:	Unconjugated
Reactivity:	Species independent

Antibody Data

Gene ID:	-
Uniprot:	AB_2728734
Host Species:	Mouse
Purification:	Affinity purification
Observed MW:	35 kDa (Snail transfected)/58 kDa (CYP1A2 transfected)
Calculated MW:	-

Preparation & Storage

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.

Store Bradford Reagent at Room Temperature for 1 Year.

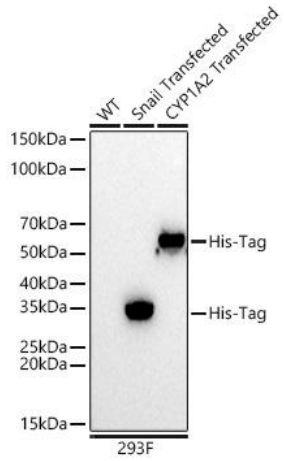
Positive Sample: 293F transfected with Snail-His-Tag, 293F transfected with CYP1A2-His-Tag

Recommended Dilutions:

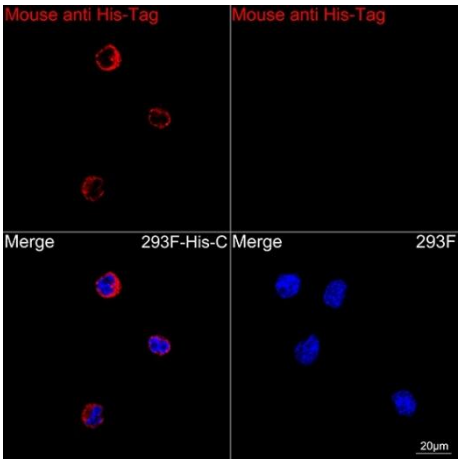
WB	1:5000 - 1:30000
IF/ICC	1:5000-1:10000
IP	0.5ug-4ug antibody for 200ug-400ug extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

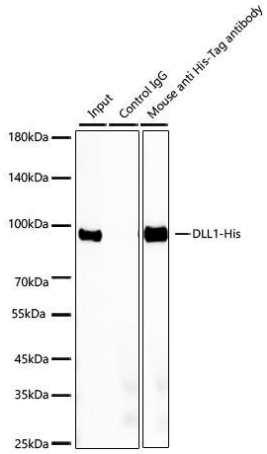
Validation Data



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with His-Tag using Mouse anti His-Tag mAb (CABE003) at 1:30000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (CABS003) at 1:10000 dilution. Lysates/proteins: 20 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020).Exposure time: 5 s.



Confocal imaging of 293F cells transfected with His-C using Mouse anti His-Tag mAb (CABE003, dilution 1:10000) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (CABS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation of -His from 300 µg extracts of 293F cells transfected with a expression vector containing a single N-terminal His-Tag was performed using 1 µg of Mouse anti His-Tag mAb (CABE003). Mouse IgG isotype control (CABC011) 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 at a dilution of 1:10000.