His-tag (4C2) monoclonal antibody

Catalog: BCP1103 Host: Mouse Reactivity: All

BackGround:

The H-H-H-H-H-H motif is used as a tag on many re-combinant proteins to facilitate purification. A system that has proven to be very successful relies on the insertion of a six histidine (His6) sequence in the N-terminus of the encoded protein, allowing for efficient coupling to Ni2+-chelating resins and purification by single step af-finity chromatography. This polyhistidine sequence can then be removed by specific cleavage at sites recognized by enzymes such as thrombin or enterokinase, permitting the separation of the target protein from the polyhistidine tag.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

N/A

Swiss-Prot:

N/A

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immuno-gen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:5000~10000

IP:1:50~100

IF:1:50~200

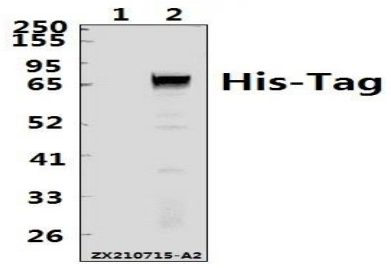
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

His-tag (4C2) mAb detects over-expressed or recombi-nant proteins containing the 6×His epitope tag.

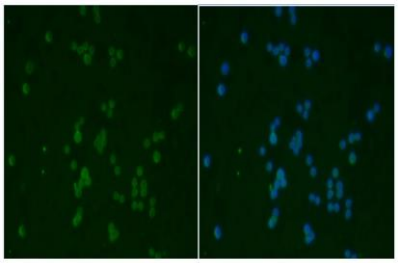
DATA:



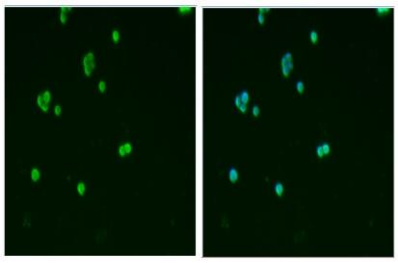
Western blot (WB) analysis of His-tag mAb at 1:5000 dillution

Lane1:HEK293F whole cell lysate

Lane2:HEK293F whole cell lysate,transfected with pcDNA3.4-Flag-N-RBD-His.



IF image of BCP1103 stained HEK293F cells, transfected with pcDNA3.1-His-TfR-hFC. The cells were 4% paraformaldehyde fixed (15 min) and then incubated in 10% normal goat serum for 1h to per-meabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody His-tag mAb #BCP1103(1:50) overnight at 4 ℃. The secondary antibody (Green) was Goat anti-Mouse IgG (H+L) -FITC. Hoechst33342 was used to stain the cell nuclei (blue).



IF image of BCP1103 stained HEK293F cells, transfected with pcDNA3.1-TfR-hFC-His. The cells were 4% paraformaldehyde fixed (15 min) and then incubated in 10% normal goat serum for 1h to per-meabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody His-tag mAb #BCP1103(1:50) overnight at 4 ℃. The secondary antibody (Green) was Goat anti-Mouse IgG (H+L) -FITC. Hoechst33342 was used to stain the

cell nuclei (blue).

For research use only, not for use in diagnostic procedure.

Note:

Complex biotech, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.