

His-Tag mouse monoclonal antibody

Catalog: AP1022M

Host: Mouse

Reactivity: Transfected

BackGround:

The H-H-H-H-H-H motif is used as a tag on many recombinant 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 affinity 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 cell culture supernatant by protein A+G and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:20000~1:100000

IHC/IF: 1:50~1:200

IP: 1:50~1:200

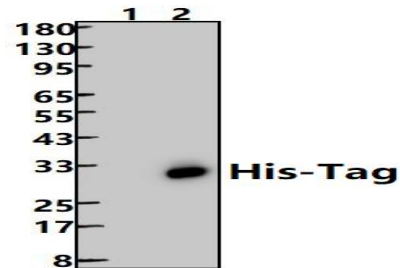
Storage&Stability:

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

Specificity:

His-tag mAb detects over-expressed or recombinant proteins containing the 6×His epitope tag.

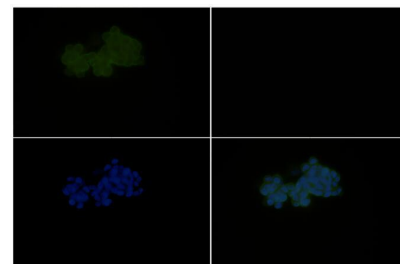
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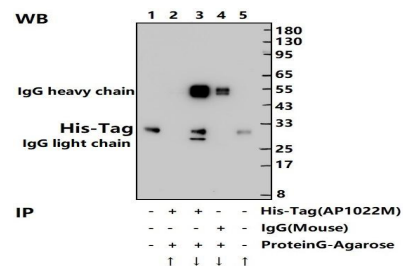
Western blot (WB) analysis of His-tag mAb at 1:100000 dilution

Lane1:HEK293F whole cell lysate

Lane2:HEK293F whole cell lysate,transfected (C-His).



Immunofluorescent analysis of His-Tag mAb staining in transfected HEK293F cells.



Immunoprecipitation of transfected HEK293F using His-Tag mAb

(Sephacose Bead Conjugate) #BD0048(lane 2 and lane 3) and

Nonspecific IgG Control (Sephacose Bead Conjugate)#BD0048 (lane

4 and lane 5) .Lane 1 is 30% input. The western blot was probed using

His-Tag mAb. “↑”(supernatant); “↓”(deposition)

Note:

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

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