

Product datasheet

HIS TAG MOUSE MONOCLONAL ANTIBODY (HIS.H8)

SKU: MM-0165-P

100 µg

OVERVIEW

Clonality:

Monoclonal

Host:

Mouse

Application:

ELISA, Dot, IP, IHC, WB

Target:

His Tag

Target background:

Epitope tags have applications in the labeling, isolation and detection of proteins using immunoblotting, Immunoprecipitation and immunostaining techniques. Epitope tags can be used, by affinity chromatography, to separate recombinant, overexpressed protein from wild-type protein expressed by the host organism. Due its small size, the protein's biochemical properties seem not to be affected by the tag protein. Polyhistidine-tag is also known as histidine-tag, 6xHis-tag and by the trademarked name His-tag.

Immunogen:

The antibody was raised against HHHHHH (6x His) synthetic peptide conjugated to KLH.

Specificity:

The antibody recognizes His-tag encoded by many commercially available vectors, regardless of the tag's location in the fusion protein sequences (i.e. reacts with N-terminal, C-terminal or internal 6x His-tags)

Clone ID:

HIS.H8

Isotype:

IgG2b

Preservative:

None

Format:

Lyophilized protein G purified in PBS pH7.4

Recommend starting dilution:

If reconstituted with deionized water in 100 μ l: WB 1:1000-3,000, IHC 1:500-2,000. Optimal dilution has to be determined by the user.

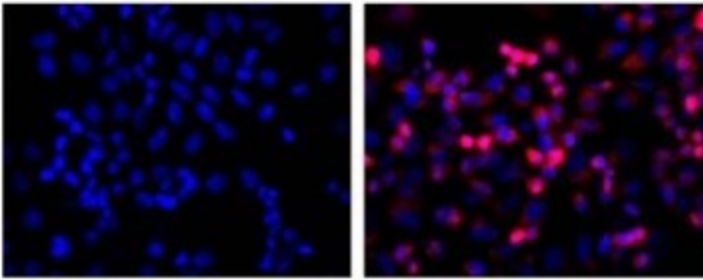
Limitations:

Research Use Only

References:**Storage:**

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image:



Immunofluorescence analysis of HEK293 cells transfected with His-tagged fusion protein, stained with anti-His (red) and DAPI (blue). Left: untransfected. Right: transfected.



Western blot analysis of His-tag on standard ladder containing five different His-tagged proteins; untransfected control (1), HEK293 cells transfected with His-tagged protein vector (2).