

## Monoclonal anti His-Tag

### ORDERING INFORMATION

Catalog Number:	tAP-0050
Size:	100 µg
Storage:	<-20 °C
Immunogen:	HHHHHH (6x His) synthetic peptide conjugated to KLH
Clone Name	HIS.H8 / EH158
Ig Type:	Mouse IgG2b
Purification:	Protein A affinity Purified
Application	Dot Blot, ELISA, IS, IP and WB

### *Preparation:*

This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with purified HHHHHH (6x His) synthetic peptide conjugated to KLH .

### *Formulation and Storage:*

Protein A affinity chromatography from mouse ascites fluid. The product was lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS). Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

### *Reconstitution:*

Reconstitute the antibody with 100 µl sterile H<sub>2</sub>O and the final concentration is 1000µg/ml. Reconstituted antibody can also be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### *Specificity:*

Recognizes the epitope of 6x His-tags 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)

### *Applications:*

This antibody is suitable for following applications: Dot Blot, ELISA, IS, IP and WB (1:1000-10,000)

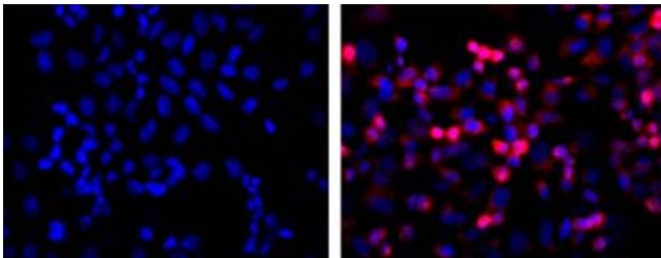


Fig. 01 LEFT: untransfected control; RIGHT: anti-His (in red) on His-tagged fusion proteins in HEK293 cells. Both counterstained with DAPI (in blue)

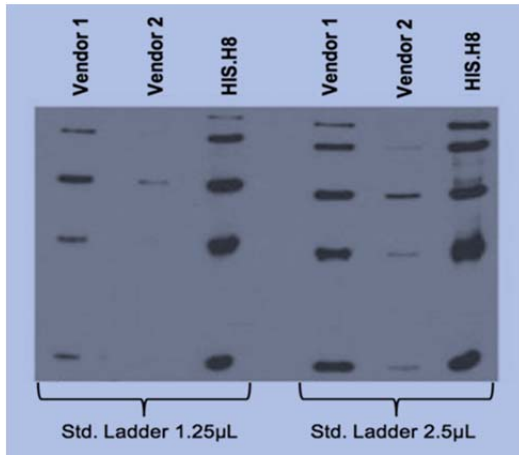


Fig. 02 Comparison between anti-His tag (HIS.H8 / EH158) mAb with 2 different vendor Abs, probed against a standard ladder (Qiagen Cat. No. 34705) containing five different His-tagged proteins. All Ab dilutions are 1:2000 (0.5µg/mL)



Fig. 03 Standard ladder containing five different His-tagged proteins; untransfected control (1), HEK293 cells transfected with His-tagged protein vector (2)

*Optimal dilutions should be determined by each laboratory for each application.*

The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users!

**This product is sold for Research Use Only !**