

Anti-His tag Antibody (3T670)

Product Details

Ig Type:	IgG1, κ
Conjugation:	Unconjugated
Clone:	3T670
Purification:	Protein A affinity column

Applications

- Comparative His-tag detection by Western blot was performed using Anti-His tag Antibody (3T670) (TMAS-00127) and Mouse Anti-His mAb (Competitor B). Both antibodies were used to probe the same cell lysates containing His-tagged fusion protein. The signal was developed with Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody.
- Immunoprecipitates from cell lysates containing His-tagged fusion protein were analyzed by Western blot using Anti-His tag Antibody (3T670) (TMAS-00127).
Lane 1. Positive control containing His-tagged fusion protein.
Lane 2. Negative control - IP with isotype control antibody.
Lane 3. Immunoprecipitation with Anti-His tag Antibody (3T670) (TMAS-00127).
- His-tag was detected in Multiple Tag Cell Lysate by Western blot using Anti-His tag Antibody (3T670) (TMAS-00127). The signal was developed with Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody.
His-tagged fusion protein:
Predicted MW: 52 kDa
Observed MW: 52 kDa
- Comparative His-tag detection by Dot blot was performed using Anti-His tag Antibody (3T670) (TMAS-00127) and two Mouse Anti-His mAbs (Competitor 1, Competitor 2). All three antibodies were used to probe the same samples containing His-tagged fusion protein. The signal was developed with Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody.
- Lot-to-lot consistency of antibody performance was analyzed for 4 batches of Anti-His tag Antibody (3T670) (TMAS-00127) by Western blot. The results show that the antibody-generated signal remains consistent from Lot-to-Lot. Antibodies from all four lots were used to probe samples of the same His-tagged fusion protein. The signal was developed with IRDyeTM800 Conjugated Goat Anti-Mouse IgG.
- Detection of His-tag in CHO cells transfected with His-tagged protein (Green), and non-transfected CHO cells (Black) by flow cytometry using Anti-His tag Antibody (3T670) (TMAS-00127). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.
- Comparative His-tag detection by Western blot was performed using Anti-His tag Antibody (3T670) (TMAS-00127) and Mouse Anti-His mAb (Competitor A). Both antibodies were used to probe the same sample containing overexpressed His-tagged fusion protein.
- Detection of N- or C-terminal His tags in recombinant fusion proteins were analyzed by Western blot using Anti-His tag Antibody (3T670) (TMAS-00127).
Lane 1: N-terminal His-tagged fusion protein.
Lane 2: C-terminal His-tagged fusion protein.
The signal was developed with Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody.
The results show that Anti-His tag Antibody (3T670) (TMAS-00127) can recognize N-terminal and C-terminal His-tagged proteins.
- BLI (Biolayer interferometry) binding affinity measurements of Anti-His tag Antibody (3T670)

Verified Activity:

A DRUG SCREENING EXPERT

(TMAS-00127) to different His-tagged fusion proteins. The results show that Anti-His tag Antibody (3T670) (TMAS-00127) is able to recognise the His tag at different positions in the protein.

Application: ELISA,FCM,ICC/IF,IP,WB,TR-FRET

Recommended ELISA: 0.05-0.2 µg/ml; FCM: 1 µg/ml; ICC/IF: 1 µg/ml; IP: 1 µg/ml; WB: 0.1-0.2 µg/ml; TR-FRET: User-optimized

Properties

Stability & Storage: The lyophilized product store at -20°C or -80°C for 12 months. The reconstituted antibody can be stored at 2°C-8°C for 2-3 weeks. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: HHHHHH

Synonyms: HisTag

Research Background

Monoclonal antibodies specific to six histidine tag can greatly improve the effectiveness of several different kinds of immunoassays, helping researchers identify, detect, and purify polyhistidine fusion proteins in bacteria, insect cells, and mammalian cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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