

6x-His Tag Monoclonal Antibody (3D5)

Product Details

Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	3D5
Conjugate	Unconjugated
Immunogen	6x His synthetic peptide
Form	Liquid
Purification	purified
Storage buffer	PBS
Contains	0.01% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2556553

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	23 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:100-1:500	5 Publications
ELISA (ELISA)	Assay-dependent	1 Publication
Immunoprecipitation (IP)	Assay-dependent	1 Publication
Luminex (LUM)	-	1 Publication
In vitro Assay (IV)	-	1 Publication
Miscellaneous PubMed (Misc)	-	4 Publications

Product Specific Information

NOTE: R930-25 was previously sold under product #46-0693. When re-ordering, please use #R930-25.

This antibody can be used to detect expression of C-terminal His fusion proteins from bacterial, insect, and mammalian cells.

This product contains enough material for 25 Western blots. It is functionally tested using 500 ng of an E. coli expressed fusion protein containing a C-terminal polyhistidine (6xHis) epitope. A signal can be detected when tested against 100 ng of recombinant Positope™ protein. For Western blot, dilute in PBS containing 0.05% Tween-20 and 5% nonfat, dry milk (PBSTM).

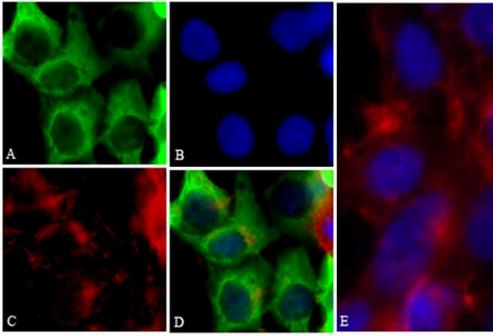
This product has also been used successfully to immunoprecipitate fusion proteins that contain the 6x His tag.

Using chemiluminescence as the detection method, no cross-reactivity has been observed in bacterial lysates. In mammalian lysates, a few cross-reactive proteins have been observed upon overexposure of blots.

Product Images For 6x-His Tag Monoclonal Antibody (3D5)

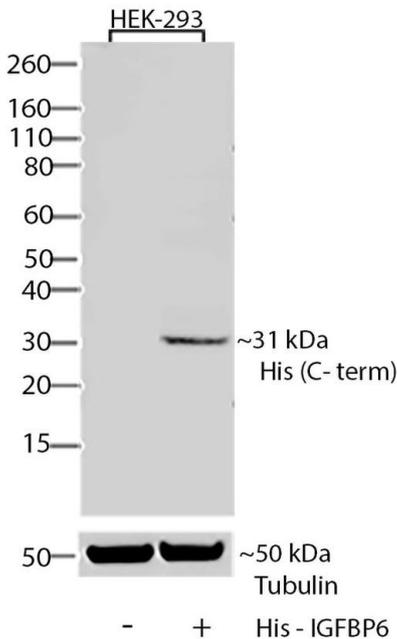
6x-His Tag Antibody (R930-25) in ICC/IF

Immunofluorescent analysis of Histidine tag (6XHis) was done on HEK-293 cells transiently overexpressing His- IGFBP6. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with Histidine (C-term) tag (6XHis) Mouse Monoclonal Antibody (Product # R930-25) at a dilution of 1:400 in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor® 488 Rabbit Anti-Mouse IgG Secondary Antibody (Product # A-11059) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 594 Phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic localization. Panel e is untransfected HEK-293 cells. The images were captured using a Nikon microscope at 20X magnification.



6x-His Tag Antibody (R930-25) in WB

Western blot analysis of Histidine tag (6XHis) was performed by loading 20 µg of whole cell extracts of untransfected HEK-293 and HEK-293 transiently overexpressing His-IGFBP6 using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), Xcell SureLock system (Product # EI0002), Novex sharp Pre-stained Protein Standard (LC5800), and iBlot® Dry Blotting System (IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5% skim milk for at least 1 hour at room temperature. His-IGFBP6 was detected at ~31 kDa using Histidine (C-term) tag (6XHis) Mouse Monoclonal Antibody (Product # R930-25) at 1:1000 dilution in 2.5% skim milk at 4°C overnight on a rocking platform. Goat Anti-Mouse IgG - HRP Secondary Antibody (Product # 62-6520) at a 1:4000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



[View more figures on thermofisher.cn](https://www.thermofisher.cn)

38 References

Western Blot (23)

NPJ vaccines

Multicomponent gold nano-glycoconjugate as a highly immunogenic and protective platform against *Burkholderia mallei*.

"Published figure using 6x-His Tag monoclonal antibody (Product # R930-25) in Western Blot"

Authors: Tapia D, Sanchez-Villamil JI, Torres AG

Year
2023

Species
Tag

Dilution
1:5000

SARS-CoV-2 non-structural protein 6 triggers NLRP3-dependent pyroptosis by targeting ATP6AP1.

"R930-25 was used in Western Blot to support that NSP6 of SARS-CoV-2 could induce inflammatory cell death in lung epithelial cells, through which pharmacological rectification of autophagic flux might be therapeutically exploited."

Authors: Sun X,Liu Y,Huang Z,Xu W,Hu W,Yi L,Liu Z,Chan H,Zeng J,Liu X,Chen H,Yu J,Chan FKL,Ng SC,Wong SH,Wang MH,Gin T,Joynt GM,Hui DSC,Zou X,Shu Y,Cheng CHK,Fang S,Luo H,Lu J,Chan MTV,Zhang L,Wu WKK

Year
2022Species
Tag[View more WB references on thermofisher.cn](#)**Immunohistochemistry (1)**

Molecular therapy : the journal of the American Society of Gene Therapy

Exposed CendR Domain in Homing Peptide Yields Skin-Targeted Therapeutic in Epidermolysis Bullosa.

"Published figure using 6x-His Tag monoclonal antibody (Product # R930-25) in Immunohistochemistry"

Authors: Pemmari T,Ivanova L,May U,Lingasamy P,Tobi A,Pasternack A,Prince S,Ritvos O,Makkapati S,Teesalu T,Cairo MS,Järvinen TAH,Liao Y

Year
2020Species
Tag**Immunohistochemistry (Frozen) (1)**

The Journal of experimental biology

High rates of glucose utilization in the gas gland of Atlantic cod (Gadus morhua) are supported by GLUT1 and HK1b.

"R93025 was used in immunohistochemistry - frozen section to study glucose utilization in the gas gland of Atlantic cod"

Authors: Clow KA,Short CE,Hall JR,Gendron RL,Paradis H,Ralhan A,Driedzic WR

Year
2016Species
TagDilution
20 µg/ml**More applications with references on thermofisher.cn**

ICC/IF (5) ELISA (1) IP (1) LUM (1) IV (1) Misc (4)

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