

# 6x-His Tag Monoclonal Antibody (3D5), HRP

## Product Details

Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	3D5
Conjugate	HRP
Immunogen	C-term 6x His synthetic peptide: -His-His-His-His-His-His-COOH
Form	Liquid
Purification	purified
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2556554

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	22 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
ELISA (ELISA)	-	7 Publications
Immunoprecipitation (IP)	-	2 Publications
Functional Assay (FN)	-	1 Publication
Peptide array (Array)	-	1 Publication
Immunoelectrophoresis (IE)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

NOTE: R931-25 was previously sold under product #46-0707. When re-ordering, please use #R931-25.

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

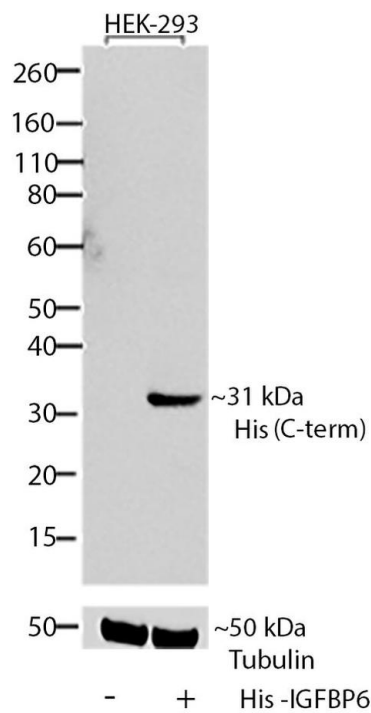
This product contains enough material for 25 Western blots. It is functionally tested using 100 ng of an E. coli expressed fusion protein containing a C-terminal polyhistidine (6xHis) epitope. Chemiluminescent detection should be performed using a 1 minute exposure. For Western blot, dilute in PBS containing 0.05% Tween-20 and 5% nonfat, dry milk (PBSTM).

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), HRP

6x-His Tag Antibody (R931-25) in WB

Western blot analysis of Histidine tag (6X His) 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 Electrophoresis 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 1 hour at room temperature. His-IGFBP6 was detected at ~31 kDa using Histidine (C- term) Tag (6XHis) - HRP Mouse Monoclonal Antibody (Product # R931-25) at a 1:3000 dilution in 2.5% skim milk at 4°C overnight on a rocking platform. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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Western Blot (22)

<p>Journal of pharmaceutical analysis</p> <p><b>Development of novel-nanobody-based lateral-flow immunochromatographic strip test for rapid detection of recombinant human interferon 2b.</b></p> <p>"R931-25 was used in Western Blotting to show that the principle of this novel assay is generally applicable for the rapid testing of other commercial products, with a great potential for routine use in detecting counterfeit recombinant protein products."</p> <p>Authors: Qin X,Duan M,Pei D,Lin J,Wang L,Zhou P,Yao W,Guo Y,Li X,Tao L,Ding Y,Liu L,Zhou Y,Jia C,Rao C,Wang J</p>	<p>Year 2022</p> <p>Species Tag</p>
<p>Intrinsically disordered proteins</p> <p><b>Are the curli proteins CsgE and CsgF intrinsically disordered?</b></p> <p>"R931-25 was used in Western Blotting to support the hypothesis that the curli assembly proteins CsgE and CsgF are disordered proteins containing intrinsically disordered regions."</p> <p>Authors: Green A,Pham N,Osby K,Aram A,Claudius R,Patray S,Jayasinghe SA</p>	<p>Year 2020</p> <p>Species Tag</p>

View more WB references on thermofisher.com

Immunocytochemistry (1)

<p>PloS one</p> <p><b>Gene delivery of a modified antibody to A reduces progression of murine Alzheimer's disease.</b></p> <p>"R931-25 was used in Western Blotting to show that single chain antibodies fused to a silent scFv-IgG can be expressed and released into the CNS following gene transfer with adeno-associated virus."</p> <p>Authors: Elmer BM,Swanson KA,Bangari DS,Piepenhagen PA,Roberts E,Taksir T,Guo L,Obinu MC,Barneoud P,Ryan S,Zhang B,Pradier L,Yang ZY,Nabel GJ</p>	<p>Year 2020</p> <p>Species Tag</p>
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ELISA (7)

<p>Cell discovery</p> <p><b>A trifunctional peptide broadly inhibits SARS-CoV-2 Delta and Omicron variants in hamsters.</b></p> <p>"R931-25 was used in Enzyme-linked immunosorbent assay to provide a proof of concept that a single antiviral can inhibit viral entry, fusion, and release."</p> <p>Authors: Zhao H,To KK,Lam H,Zhang C,Peng Z,Meng X,Wang X,Zhang AJ,Yan B,Cai J,Yeung ML,Chan JF,Yuen KY</p>	<p>Year 2022</p> <p>Species Tag</p> <p>Dilution 1:2000</p>
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- IP (2)
- FN (1)
- Array (1)
- IE (1)
- Misc (1)

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