

# V5 Tag Monoclonal Antibody (E10/V4RR), HRP

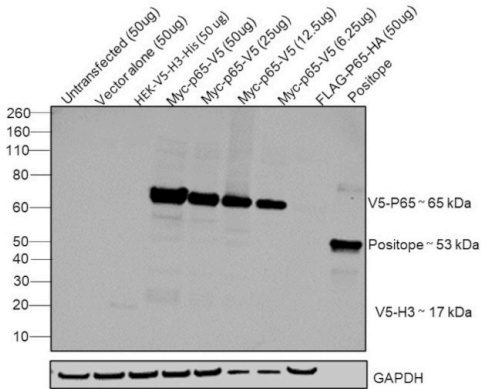
Product Details	
Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	E10/V4RR
Conjugate	HRP
Immunogen	GKPIP NPLLGLDST (V5) synthetic peptide conjugated to KLH
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Contains	0.07% Kathon
Storage conditions	4° C
RRID	AB_2537645

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	7 Publications

Product Images For V5 Tag Monoclonal Antibody (E10/V4RR), HRP

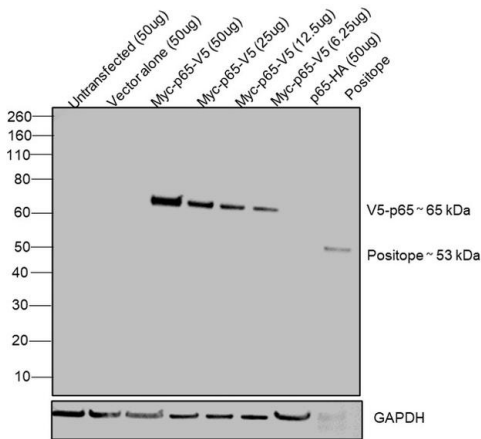
V5 Tag Antibody (MA5-15253-HRP)

Antibody specificity was demonstrated by detection of different targets fused to V5 tag in transiently transfected lysates tested. Relative detection of V5 tag was observed across different proteins fused with V5 tag in V5-H3-His (Lane 3) and Myc-p65-V5 (Lane 4-7), using V5 Tag Monoclonal Antibody (E10/V4RR), HRP (Product # MA5-15253-HRP) in Western Blot. This product has been shown to detect DYKDDDDK Tag at both N- and C- termini of a fusion protein. {RE}



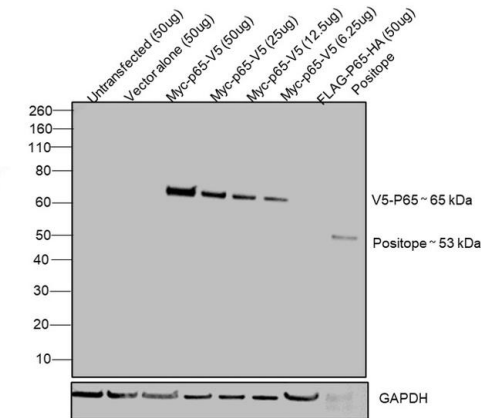
V5 Tag Antibody (MA5-15253-HRP) in WB

Western blot was performed using V5 Tag Monoclonal Antibody (E10/V4RR), HRP (Product # MA5-15253-HRP) by loading whole cell extracts of untransfected and transiently transfected HEK-293E lysates: untransfected, 50 µg (Lane 1), empty vector control, 50 µg (Lane 2), V5-H3-His, 50 µg (Lane 3), Myc-p65-V5, 50 µg (Lane 4), Myc-p65-V5, 25 µg (Lane 5), Myc-p65-V5, 12.5 µg (Lane 6), Myc-p65-V5, 6.26 µg (Lane 7), p65-HA, 50 µg (Lane 8) and 25 ng of Positope (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). A ~65 kDa band corresponding to Myc-p65-V5 were observed in HEK293E transfected lysates on probing with the primary antibody (1 µg/mL) and detected by chemiluminescence using the iBright FL 1500 (Product # A44241). Positope (Product # R90050) is a 53 kDa recombinant protein consisting multiple epitope tags along with V5 tag, which has been used as a positive control for V5 tag detection. No cross-reactivity was seen with p65 expressing lysate.



V5 Tag Antibody (MA5-15253-HRP) in WB

Western blot was performed using V5 Tag Monoclonal Antibody (E10/V4RR), HRP (Product # MA5-15253-HRP) by loading whole cell extracts of untransfected and transiently transfected HEK-293E lysates: untransfected, 50 µg (Lane 1), empty vector control, 50 µg (Lane 2), Myc-p65-V5, 50 µg (Lane 3), Myc-p65-V5, 25 µg (Lane 4), Myc-p65-V5, 12.5 µg (Lane 5), Myc-p65-V5, 6.26 µg (Lane 6), FLAG-P65-HA, 50 µg (Lane 7) and 25 ng of Positope (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). A ~65 kDa band corresponding to Myc-p65-V5 were observed in HEK293E transfected lysates on probing with the primary antibody (1 µg/mL) and detected by chemiluminescence using the iBright FL 1500 (Product # A44241). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Positope (Product # R90050) is a 53 kDa recombinant protein consisting multiple epitope tags along with V5 tag, which has been used as a positive control for V5 tag detection. No cross-reactivity was seen with FLAG-tagged p65 expressing lysate.



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7 References

Western Blot (7)

<p>PloS one</p> <p><b>The rice NLR pair Pikp-1/Pikp-2 initiates cell death through receptor cooperation rather than negative regulation.</b></p> <p>"Published figure using V5 Tag monoclonal antibody (Product # MA5-15253-HRP) in Western Blot"</p> <p>Authors: Zdrzaek R,Kamoun S,Terauchi R,Saitoh H,Banfield MJ</p>	<p>Year 2020</p> <p>Species Tag</p>
<p>The EMBO journal</p> <p><b>PLK4 deubiquitination by Spata2-CYLD suppresses NEK7-mediated NLRP3 inflammasome activation at the centrosome.</b></p> <p>"MA5-15253-HRP was used in Western Blotting to show that NLRP3 inflammasome activation is suppressed by a centrosomal protein Spata2."</p> <p>Authors: Yang XD,Li W,Zhang S,Wu D,Jiang X,Tan R,Niu X,Wang Q,Wu X,Liu Z,Chen LF,Qin J,Su B</p>	<p>Year 2020</p> <p>Species Tag</p> <p>Dilution 1:2000</p>

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