

V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor™ 555

Product Details	
Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	2F11F7
Conjugate	Alexa Fluor™ 555
Excitation/Emission Max	553/568 nm
Immunogen	V5 synthetic peptide: Gly-Lys-Pro-Ile-Pro-Asn-Pro-Leu-Leu-Gly-Leu-Asp-Ser-Thr
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2610631

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Immunoprecipitation (IP)	-	1 Publication

Product Images For V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor™ 555

V5 Tag Antibody (37-7500-A555) in WB

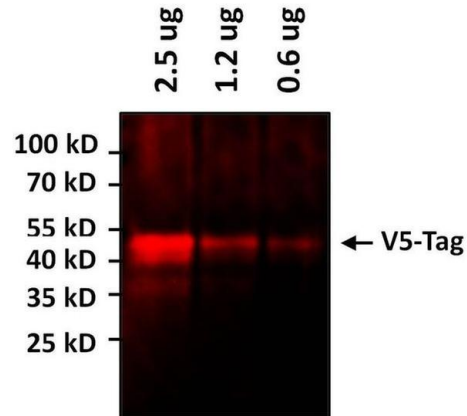
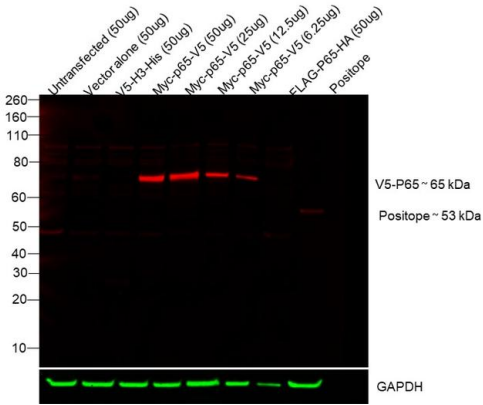
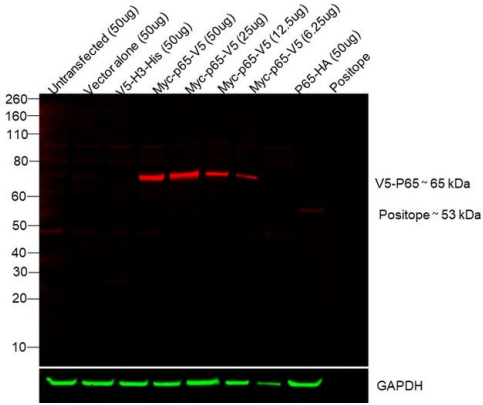
Western blot was performed using V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor 555 (Product # 37-7500-A555) by loading whole cell extracts of untransfected and transiently transfected HEK-293E lysates: untransfected, 50 µg (Lane 1), empty vector control, 50 µg (Lane 2), V5-H3-His, 50 µg (Lane 3), 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 fluorescence 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.

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Western blot was performed using V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor 555 (Product # 37-7500-A555) 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), FLAG-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 fluorescence 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.

V5 Tag Antibody (37-7500-A555) in WB

Western blot analysis of V5 Epitope Tag was performed by loading various amounts of E. coli lysate containing a multi-epitope tagged protein per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a low fluorescence PVDF membrane and blocked with Sea Block blocking buffer for at least 1 hour. The membrane was probed with a AlexaFluor555-conjugated V5 Epitope Tag monoclonal antibody (Product # 37-7500-A555) at a dilution of 1:500 over night at 4C on a rocking platform and washed in TBS-0.1% Tween-20. Detection was performed using a fluorescence imaging system.



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Western Blot (2)

eLife	
Progerin reduces LAP2-telomere association in Hutchinson-Gilford progeria.	Year 2015
"Published figure using V5 Tag monoclonal antibody (Product # 37-7500-A555) in Immunoprecipitation"	Species Tag
Authors: Chojnowski A,Ong PF,Wong ES,Lim JS,Mutalif RA,Navasankari R,Dutta B,Yang H,Liow YY,Sze SK,Boudier T, Wright GD,Colman A,Burke B,Stewart CL,Dreesen O	

Cancer research	
Genetic alterations in the phosphoinositide 3-kinase/Akt signaling pathway confer sensitivity of thyroid cancer cells to therapeutic targeting of Akt and mammalian target of rapamycin.	Year 2009
"Published figure using V5 Tag monoclonal antibody (Product # 37-7500-A555) in Western Blot"	Species Tag
Authors: Liu D,Hou P,Liu Z,Wu G,Xing M	

Immunocytochemistry (2)

The Journal of clinical investigation	
Functional 64 acetylcholine receptor expression enables pharmacological testing of nicotinic agonists with analgesic properties.	Year 2020
"37-7500-A555 was used in Immunocytochemistry to identify roles for IRE1 and BARP in neurotransmitter receptor assembly and unlock drug discovery for the previously elusive 64 receptor."	Species Tag
Authors: Knowland D,Gu S,Eckert WA,Dawe GB,Matta JA,Limberis J,Wickenden AD,Bhattacharya A,Bredt DS	

eLife	
Progerin reduces LAP2-telomere association in Hutchinson-Gilford progeria.	Year 2015
"Published figure using V5 Tag monoclonal antibody (Product # 37-7500-A555) in Immunoprecipitation"	Species Tag
Authors: Chojnowski A,Ong PF,Wong ES,Lim JS,Mutalif RA,Navasankari R,Dutta B,Yang H,Liow YY,Sze SK,Boudier T, Wright GD,Colman A,Burke B,Stewart CL,Dreesen O	

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IP (1)

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