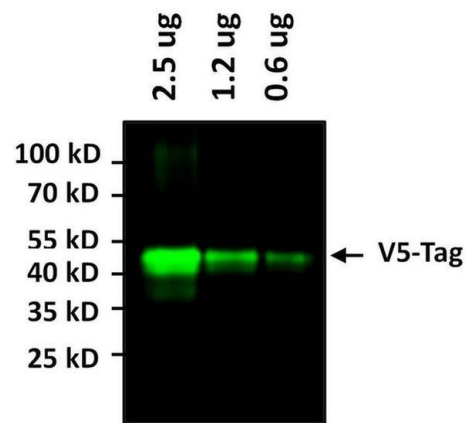


V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor™ 488

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™ 488
Excitation/Emission Max	499/520 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_2610630

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	3 Publications
Immunocytochemistry (ICC/IF)	1:100	3 Publications
Flow Cytometry (Flow)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication

Product Images For V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor™ 488

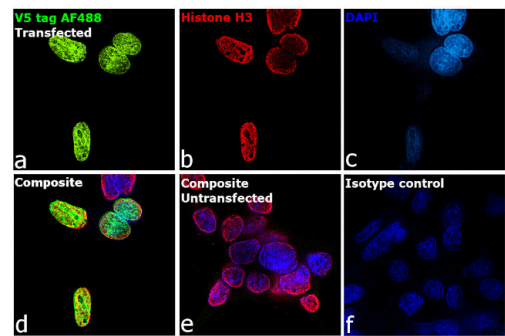


V5 Tag Antibody (37-7500-A488) in WB

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 AlexaFluor488-conjugated V5 Epitope Tag monoclonal antibody (Product # 37-7500-A488) 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.

V5 Tag Antibody (37-7500-A488) in ICC/IF

Immunofluorescent analysis of V5 Tag was performed using 70% confluent V5-H3-6XHis transfected HEK-293 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with V5 Tag Monoclonal Antibody (2F11F7), Alexa Fluor 488 (Product # 37-7500-A488) at 5 µg/mL and Histone H3 Recombinant Polyclonal Antibody (Product # 711055) at 0.5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 647 (Product # A32733) at a dilution of 1:2000 for 45 minutes at room temperature. Panel a (Green) represents V5 Tag. Panel b (Red) represents Histone H3. Panel c (Nuclei: Blue) represents ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Panel d represents the merged image showing the co-localization of nuclear signals in transfected cells. Panel e represents untransfected HEK-293 cells. Panel f represents control cells with isotype control antibody to assess background. The images were captured at 60X magnification.



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Western Blot (3)

<p>Methods in molecular biology (Clifton, N.J.)</p> <p>APEX Proximity Labeling of Stress Granule Proteins.</p> <p>"37-7500-A488 was used in Western Blotting to describe the utility of APEX-mediated proximity labeling to recover components of stress granules (SGs) by endogenous tagging of well-established SG-associated proteins."</p> <p>Authors: Elmsaouri S,Markmiller S,Yeo GW</p>	<p>Year 2022</p> <p>Species Tag</p>
<p>eLife</p> <p>Progerin reduces LAP2-telomere association in Hutchinson-Gilford progeria.</p> <p>"Published figure using V5 Tag monoclonal antibody (Product # 37-7500-A488) in Western Blot"</p> <p>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</p>	<p>Year 2015</p> <p>Species Tag</p>

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Immunocytochemistry (3)

<p>Nature communications</p> <p>SARS-CoV-2 RNAemia and proteomic trajectories inform prognostication in COVID-19 patients admitted to intensive care.</p> <p>"37-7500-A488 was used in Immunocytochemistry to show that proteins of the complement system and galectin-3-binding protein (LGALS3BP) are identified as interaction partners of SARS-CoV-2 spike glycoprotein."</p> <p>Authors: Gutmann C,Takov K,Burnap SA,Singh B,Ali H,Theofilatos K,Reed E,Hasman M,Nabeebaccus A,Fish M, McPhail MJ,O'Gallagher K,Schmidt LE,Cassel C,Rienks M,Yin X,Auzinger G,Napoli S,Mujib SF,Trovato F,Sanderson B, Merrick B,Niazi U,Saqi M,Dimitrakopoulou K,Fernández-Leiro R,Braun S,Kronstein-Wiedemann R,Doores KJ, Edgeworth JD,Shah AM,Bornstein SR,Tonn T,Hayday AC,Giacca M,Shankar-Hari M,Mayr M</p>	<p>Year 2021</p> <p>Species Tag</p>
<p>Nature</p> <p>Drugs that inhibit TMEM16 proteins block SARS-CoV-2 spike-induced syncytia.</p> <p>"37-7500-A488 was used in Immunocytochemistry to suggest a potential mechanism for COVID-19 disease pathogenesis and support the repurposing of niclosamide for therapy."</p> <p>Authors: Braga L,Ali H,Secco I,Chiavacci E,Neves G,Goldhill D,Penn R,Jimenez-Guardeño JM,Ortega-Prieto AM, Bussani R,Cannatà A,Rizzari G,Collesi C,Schneider E,Arosio D,Shah AM,Barclay WS,Malim MH,Burrone J,Giacca M</p>	<p>Year 2021</p> <p>Species Tag</p>

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More applications with references on thermofisher.com

- Flow (1)
- IP (1)

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