

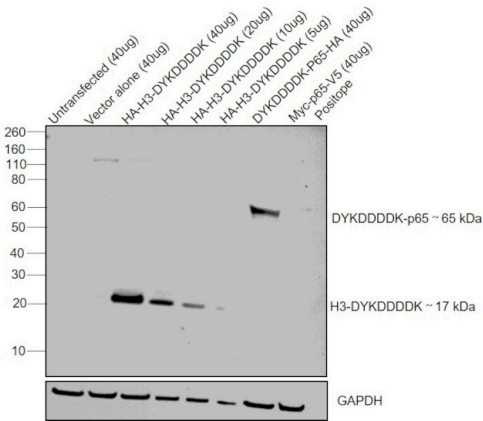
DYKDDDDK Tag Monoclonal Antibody (FG4R), DyLight™ 488

Product Details	
Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	FG4R
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Synthetic peptide (DYKDDDDK) coupled to KLH.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2537621

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	5 µg/mL	-
ELISA (ELISA)	-	1 Publication

Product Specific Information

MA1-91878-D488 has been successfully used for immunofluorescence. DyLight 488 has an excitation/emission of 493/518 nm. similar epitope as the FLAG tag from Sigma

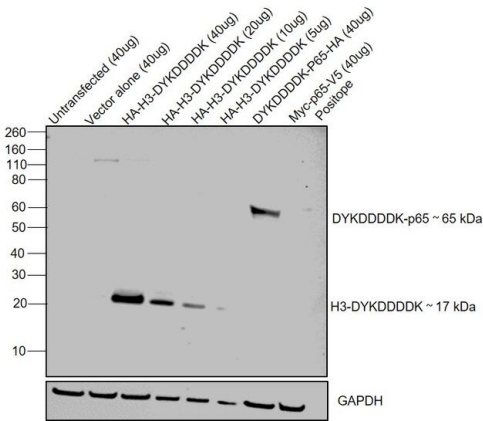


DYKDDDDK Tag Antibody (MA1-91878-D488)

Antibody specificity was demonstrated by detection of different targets fused to DYKDDDDK tag in transiently transfected lysates tested. Relative detection of DYKDDDDK tag was observed across different proteins fused with DYKDDDDK tag in HA-H3-DYKDDDDK (Lane 3-6) and DYKDDDDK-p65-HA (Lane 7), using Anti-DYKDDDDK Tag Monoclonal Antibody (FG4R), DyLight 488 (Product # MA1-91878-D488) in Western Blot. This product has been shown to detect DYKDDDDK Tag at both N- and C- termini of a fusion protein. {RE}

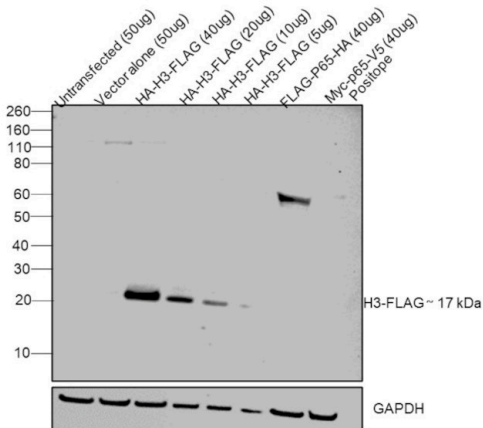
DYKDDDDK Tag Antibody (MA1-91878-D488) in WB

Western blot was performed using DYKDDDDK Tag Monoclonal Antibody (FG4R), DyLight 488 (Product # MA1-91878-D488) by loading whole cell extracts of untransfected and transiently transfected HEK-293E lysates: untransfected, 40 µg (Lane 1), empty vector control, 40 µg (Lane 2), HA-H3-DYKDDDDK, 40 µg (Lane 3), HA-H3-DYKDDDDK, 20 µg (Lane 4), HA-H3-DYKDDDDK, 10 µg (Lane 5), HA-H3-DYKDDDDK, 5 µg (Lane 6), DYKDDDDK-p65-HA, 40 µg (Lane 7), Myc-p65-V5, 40 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 ~17 kDa band corresponding to HA-H3-DYKDDDDK were observed in HEK293E transfected lysates on probing with the primary antibody (1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000 dilution) using the iBright FL 1500 (Product # A44241). Positope (Product # R90050) is a 53 kDa recombinant protein consisting multiple epitope tags but lacks DYKDDDDK tag, which has been used as a negative control for DYKDDDDK tag detection. No cross-reactivity was seen with Myc or V5-tagged p65 expressing lysate.



DYKDDDDK Tag Antibody (MA1-91878-D488)

Antibody specificity was demonstrated by detection of different targets fused to DYKDDDDK tag in transiently transfected lysates tested. Relative detection of DYKDDDDK tag was observed across different proteins fused with DYKDDDDK tag in HA-H3-FLAG (Lane 3-6) and FLAG-p65-HA (Lane 7), using Anti-DYKDDDDK Tag Monoclonal Antibody (FG4R), DyLight 488 (Product # MA1-91878-D488) in Western Blot. This product has been shown to detect DYKDDDDK Tag at both N- and C- termini of a fusion protein. {RE}



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Western Blot (2)

<p>Nature communications</p> <p>Improving cell-free glycoprotein synthesis by characterizing and enriching native membrane vesicles.</p> <p>"Published figure using DYKDDDDK Tag monoclonal antibody (Product # MA1-91878-D488) in Western Blot"</p> <p>Authors: Hershewe JM, Warfel KF, Iyer SM, Peruzzi JA, Sullivan CJ, Roth EW, DeLisa MP, Kamat NP, Jewett MC</p>	<p>Year 2021</p> <p>Species Tag</p>
<p>Genome research</p> <p>U2AF1 mutations alter splice site recognition in hematological malignancies.</p> <p>"Published figure using DYKDDDDK Tag monoclonal antibody (Product # MA1-91878-D488) in Western Blot"</p> <p>Authors: Ilagan JO, Ramakrishnan A, Hayes B, Murphy ME, Zebari AS, Bradley P, Bradley RK</p>	<p>Year 2015</p> <p>Species Tag</p>

ELISA (1)

<p>PloS one</p> <p>Truncated Bovine Integrin Alpha-v/Beta-6 as a Universal Capture Ligand for FMD Diagnosis.</p> <p>"Published figure using DYKDDDDK Tag monoclonal antibody (Product # MA1-91878-D488) in ELISA"</p> <p>Authors: Shimmon G, Wood BA, Morris A, Mioulet V, Grazioli S, Brocchi E, Berryman S, Tuthill T, King DP, Burman A, Jackson T</p>	<p>Year 2017</p> <p>Species Tag</p>
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