

V5 Tag Monoclonal Antibody (E10/V4RR), DyLight™ 488

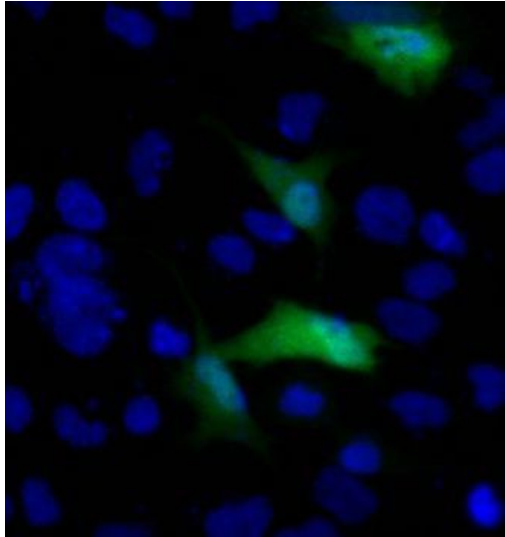
Product Details	
Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	E10/V4RR
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	GKPIPPLLGLDST (V5) synthetic peptide conjugated to KLH
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2537641

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunocytochemistry (ICC/IF)	1:25-1:100	2 Publications
Flow Cytometry (Flow)	-	1 Publication

Product Specific Information

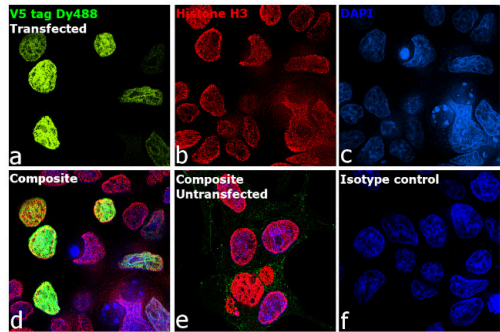
MA5-15253-D488 has been successfully used for immunofluorescence. DyLight 488 has an excitation/emission of 493/518 nm.

Product Images For V5 Tag Monoclonal Antibody (E10/V4RR), DyLight™ 488



V5 Tag Antibody (MA5-15253-D488) in ICC/IF

Immunofluorescent analysis of HeLa cells transfected with a construct containing a V5 EpiTag. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a DyLight 488-conjugated V5 EpiTag monoclonal antibody (Product # MA5-15253-D488) at a dilution of 1:25 for at least 1 hour at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan or ToxInsight Instrument at 20X magnification.



V5 Tag Antibody (MA5-15253-D488) 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 (E10/V4RR), DyLight 488 (Product # MA5-15253-D488) 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.

Western Blot (2)

<p>Toxins</p> <p>Fibroblast Growth Factor Receptor, a Novel Receptor for Vegetative Insecticidal Protein Vip3Aa.</p> <p>"MA5-15253-D488 was used in Western Blotting to identify fibroblast growth factor receptor-like protein as a novel receptor for vegetative insecticidal protein VIP3Aa."</p> <p>Authors: Jiang K,Hou X,Han L,Tan T,Cao Z,Cai J</p>	<p>Year 2018</p> <p>Species Tag</p>
<p>Journal of virology</p> <p>Functional Comparison of Mx1 from Two Different Mouse Species Reveals the Involvement of Loop L4 in the Antiviral Activity against Influenza A Viruses.</p> <p>"Published figure using V5 Tag monoclonal antibody (Product # MA5-15253-D488) in Western Blot"</p> <p>Authors: Verhelst J,Spitaels J,Nürnberg C,De Vlieger D,Ysenbaert T,Staeheli P,Fiers W,Saelens X</p>	<p>Year 2015</p> <p>Species Tag</p>

Immunocytochemistry (2)

<p>PLoS pathogens</p> <p>Scavenger receptor-C acts as a receptor for Bacillus thuringiensis vegetative insecticidal protein Vip3Aa and mediates the internalization of Vip3Aa via endocytosis.</p> <p>"MA5-15253-D488 was used in Immunocytochemistry-immunofluorescence to identify the scavenger receptor class C like protein from the Spodoptera frugiperda cells membrane proteins that bind to the biotin labelled Vip3Aa."</p> <p>Authors: Jiang K,Hou XY,Tan TT,Cao ZL,Mei SQ,Yan B,Chang J,Han L,Zhao D,Cai J</p>	<p>Year 2018</p> <p>Species Tag</p> <p>Dilution 1:200</p>
<p>Scientific reports</p> <p>Candidate pheromone receptors of codling moth Cydia pomonella respond to pheromones and kairomones.</p> <p>"MA5-15253-D488 was used in Immunocytochemistry-Immunofluorescence to represent important breakthroughs in the deorphanization of codling moth pheromone receptors, as well as more broadly into insect ecology and evolution and, consequently, for the development of sustainable pest control strategies based on manipulating chemosensory communication."</p> <p>Authors: Cattaneo AM,Gonzalez F,Bengtsson JM,Corey EA,Jacquin-Joly E,Montagné N,Salvagnin U,Walker WB, Witzgall P,Anfora G,Bobkov YV</p>	<p>Year 2017</p> <p>Species Tag</p>

More applications with references on thermofisher.com

Flow (1)

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