

CoralHue™ Fluorescent protein vectors

Volume: 20 µg

Fluorescent protein	Abbr.	Form	Excitation maxima (nm)	Emission maxima (nm)	S1	MC1	MN1	MCLinker	MNLinker
Kusabira-Cyan	KCy1	Dimer	453	486	AM-V0171M				
Midoriishi-Cyan	MiCy1	Dimer	472	495	AM-V0061M				
	mMiCy1	Monomer	470	496	AM-V0111M				
	hmMiCy1	Monomer	470	496		AM-V0115M	AM-V0116M	AM-V0119M	AM-V0110M
Umikinoko-Green	mUKG1	Monomer	483	499	AM-V0161M				
	hmUKG1	Monomer	483	499	AM-V0164M	AM-V0165M	AM-V0166M		
Azami-Green	AG	Tetramer	492	505	AM-V0021M				
	mAG1	Monomer	492	505	AM-V0031M	AM-V0032M	AM-V0033M		
	hmAG1	Monomer	492	505	AM-V0034M	AM-V0035M	AM-V0036M	AM-V0039M	AM-V0030M
	hmAG407	Monomer	407	498	AM-V0504M				
Kusabira-Orange	KO1	Dimer	548	561	AM-V0041M				
	mKO1	Monomer	548	559	AM-V0051M	AM-V0052M	AM-V0053M		
	mKO2	Monomer	551	565	AM-V0141M				
	hKO1	Dimer	548	561	AM-V0044M	AM-V0045M	AM-V0046M		
	hmKO1	Monomer	548	559	AM-V0054M	AM-V0055M	AM-V0056M	AM-V0059M	AM-V0050M
	hmKO2	Monomer	551	565		AM-V0145M	AM-V0146M	AM-V0149M	AM-V0140M
Keima-Red	dKeima570	Dimer	440	570	AM-V0121M				
	hdKeima570	Dimer	440	570	AM-V0124M			AM-V0129M	AM-V0120M
	dKeima-Red	Dimer	440	616	AM-V0101M				
	mKeima-Red	Monomer	440	620	AM-V0091M		AM-V0093M		
	hdKeima-Red	Dimer	440	616	AM-V0104M			AM-V0109M	AM-V0100M
	hmKeima-Red	Monomer	440	620	AM-V0094M			AM-V0099M	AM-V0090M
Dronpa Green	DG1	Monomer	503	518	AM-V0071M	AM-V0072M	AM-V0073M		
	hDG1	Monomer	503	518				AM-V0079M	AM-V0070M
	DG3	Monomer	491	514	AM-V0131M				
Kaede	Kaede	Tetramer	508/572	518/580	AM-V0011M	AM-V0012M	AM-V0013M		
Kikume Green-Red	KikGR1	Tetramer	507/583	517/593	AM-V0081M	AM-V0082M	AM-V0083M		
	mKikGR1	Monomer	505/580	517/591	AM-V0151M				
	hKikGR1	Tetramer	507/583	517/593	AM-V0084M	AM-V0085M	AM-V0086M	AM-V0089M	AM-V0080M
	hmKikGR1	Monomer	505/580	517/591				AM-V0159M	AM-V0150M

S1: Vectors for subcloning

MC1, MN1: Expression vectors

MCLinker, MNLinker: Expression vectors with flexible linker

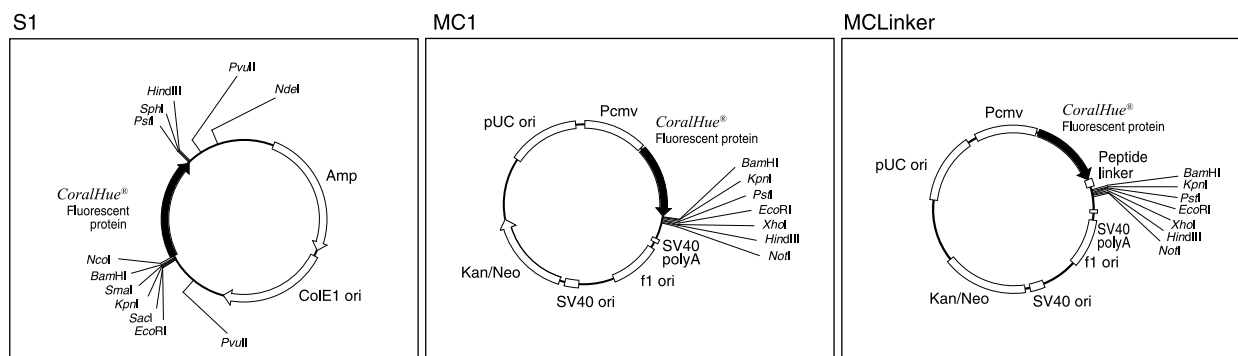
h: Humanized-codon

m: Monomer

d: Dimer

CoralHue™ is a product of co-development with Dr. Atsushi Miyawaki at the Laboratory for Cell Function and Dynamics, the Brain Science Institute, and the Institute of Physical and Chemical Research (RIKEN).

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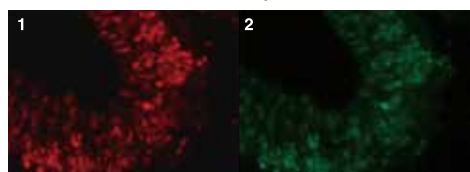
Anti-Fluorescent Protein Antibodies

Code no.	Products	Clone	Volume	Applications	Western Blot cross reactivity
M102-3M	Anti-monomeric Azami-Green1 mAb	2F11	100 µg/100 µL	WB	mAG1
PM052M	Anti-monomeric Azami-Green1 pAb	Polyclonal	100 µL	WB, IP, IC, IH	mAG1
M103-3M	Anti-Azami-Green mAb	3D10	100 µg/100 µL	IP	
PM011M	Anti-Azami-Green pAb	Polyclonal	100 µL	WB	AG, mAG1
M117-3M	Anti-Dronpa-Green mAb	4D12	100 µg/100 µL	WB	DG1, DG3
M118-3M	Anti-Dronpa-Green mAb	2F6	100 µg/100 µL	IP	
M106-3M	Anti-Kaede mAb	2F4	100 µg/100 µL	IP	
M125-3M	Anti-Kaede mAb	3B1	100 µg/100 µL	WB	
PM012M	Anti-Kaede pAb	Polyclonal	100 µL	WB	
M126-3M	Anti-monomeric Keima-Red mAb	2F7	100 µg/100 µL	WB	mKeima-Red
M127-3M	Anti-Keima-Red mAb	3C9	100 µg/100 µL	IP	
M182-3M	Anti-Keima-Red mAb	1C3	100 µg/100 µL	WB	
M128-3M	Anti-Kikume Green-Red mAb	5B3	100 µg/100 µL	WB	KikGR, mKikGR
M129-3M	Anti-Kikume Green-Red mAb	2D3	100 µg/100 µL	IP	
M104-3M	Anti-monomeric Kusabira-Orange1 mAb	1H7	100 µg/100 µL	WB	mKO1, mKO2, mKG, mKG-O, mKOκappa
M105-3M	Anti-monomeric Kusabira-Orange1 mAb	2G9	100 µg/100 µL	IP	
M168-3M	Anti-monomeric Kusabira-Orange2 mAb	3B3	100 µg/100 µL	WB, IP, IC, IH	mKO2, mKG, mKG-O, mKOκappa
PM051M	Anti-monomeric Kusabira-Orange2 pAb	Polyclonal	100 µL	WB, IP, IC, IH	KO1,mKO1,mKO2,mKG,mKG-O,mKOκappa
M116-3M	Anti-Midoriishi-Cyan mAb	2C1	100 µg/100 µL	IP	
M130-3M	Anti-Midoriishi-Cyan mAb	5B7	100 µg/100 µL	WB	MiCy, mMiy
M148-3M	Anti-monomeric Kusabira-Green N-terminal Fragment mAb	1E6	100 µg/100 µL	WB	mKO1, mKO2, mKG
M149-3M	Anti-monomeric Kusabira-Green C-terminal Fragment mAb	21B10	100 µg/100 µL	WB	mKO2, mKG

WB: Western blotting, IP: Immunoprecipitation, IC: Immunocytochemistry, IH: Immunohistochemistry

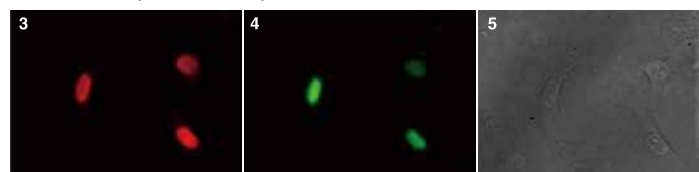
Anti-monomeric Azami-Green1 pAb (Code No. PM052M)

Immunohistochemistry



Immunohistochemical detection of mAG1 on frozen section of B6.Cg-Tg (Fucci) 504Bsi mouse embryonic brain (E13) with PM052M (1) and Fucci-S/G₂/M Green own fluorescence (2).

Immunocytochemistry



Immunocytochemical detection of mAG1 in Fucci-S/G₂/M Green transfected HeLa cells with PM052M.

3: Anti-mAG1 (PM052M)
4: Fucci-S/G₂/M Green
5: Transmission light

Anti-monomeric Kusabira-Orange2 mAb (Code No. M168-3M)

Immunohistochemistry



Immunohistochemical detection of mKO2 on frozen section of B6. Cg-Tg (Fucci) 596Bsi mouse embryonic brain (E12) with M168-3M (1) and Fucci-G₁ Orange own fluorescence (2).

Immunocytochemistry



Immunocytochemical detection of mKO2 in Fucci-G₁ Orange transfected HeLa cells with M168-3M.

3: Anti-mKO2 (M168-3M)
4: Fucci-G₁ Orange
5: Transmission light