

Table II: Fluorescent Protein Antibody Characteristics

				Applications and Recommended Initial Ab Dilutions		
Antibody	Cat. No.	Size	Characteristics	Western	IP	IC
GFP Antibodies ^a						
Full-Length A.v. Polyclonal Antibody	632459	20 µl	Rabbit polyclonal serum, raised against full-length GFP protein	++	+++	NR
	632460	100 µl		1:1,000	1:200	
A.v. Peptide Antibody	632377	200 µl	Rabbit polyclonal serum raised against a mixture of peptides from the central and C-terminus of GFP	+++	++	+++ ^b
	632376	1 ml		1:100	1:20	
A.v. Monoclonal Antibody (JL-8)	632380 632381	20 µl 200 µl	Affinity-purified mouse monoclonal antibody (IgG2a) raised against full-length GFP	+++ 1:1,000	++ ^b 1:50	+++ ^b
GFP Monoclonal Antibody	632375	100 µl	Affinity-purified mouse monoclonal antibody raised against full-length GFP	+++ 1:20,000	NR	+ ^b
EGFP Monoclonal Antibody	632569	100 µl	Mouse monoclonal antibody (IgG2a) raised against full-length EGFP	+++ 1:1,000	++ ^b 1:50	+++ ^b
DsRed Variant Antibodies						
DsRed Monoclonal Antibody	632393	20 µl	Affinity-purified mouse monoclonal antibody raised against full-length DsRed2	+++	NR	TBD
	632392	200 µl		1:500		
			Recognizes wt DsRed and its variants, except DsRed-Monomer			
DsRed Polyclonal Antibody	632496	100 µl	Rabbit polyclonal serum, raised against full-length DsRed-Express protein	+++ 1:1,000	++ 1:100	TBD
			Recognizes wt DsRed and its variants			
HcRed Antibody						
HcRed Antibody	632452	100 µl	Rabbit polyclonal serum, raised against a peptide of HcRed1	+++ 1:1,000	NR	NR
ZsGreen Antibody						
Full-Length ZsGreen Polyclonal Antibody	632474	100 µl	Rabbit polyclonal serum raised against full-length ZsGreen	+++ 1:1,000	+++ 1:100	NR
RCFP Antibody						
Anti-RCFP Polyclonal Pan Antibody	632475	100 µl	Rabbit polyclonal serum recognizes Living Colors Reef Coral Fluorescent Proteins, including AmCyan, ZsGreen, ZsYellow, DsRed2, DsRed-Express, HcRed1, and AsRed2	+++ 1:1,000	NR	NR

a AcGFP1 and AvGFP Variant Antibodies perform equally well for all Living Colors[®] *Aequorea coerulescens* (AcGFP1) fluorescent proteins and for *Aequorea victoria* (EGFP, EYFP, & ECFP) fluorescent protein variants.

b Performance data confirmed with AvGFP variants only (EGFP, EYFP, ECFP); AcGFP1 data is preliminary. No performance difference is expected.

NR = Not recommended TBD=To be determined IP= Immunoprecipitation IC= Immunocytochemistry

+ = Relative level of effectiveness

Living Colors Fluorescent Protein antibody sources and dilutions for western blot, immunoprecipitation (IP) and immunocytochemistry (IC).