

Immunologicals - Secondary reagents

Streptavidin Reagents

Streptavidin reagents

Streptavidin, avidin and modified avidins are second-step reagents for staining with biotinylated antibodies. The avidin/biotin labeling system is used for Flow Cytometry, Immuno-histochemistry, ELISA, FLISA and microArray.

Fluorescent label ($\lambda_{abs}/\lambda_{em}$)	Streptavidin	Avidin	Neutralized Avidin
AMCA (350/450 nm)	FP-79637A 1 mg	FP-82649A 2 mg	
R-PE (565/576 nm)	FP-777760 1 mg		FP-66937A 1 ml
B-PE (565/576 nm)	FP-79237A 1 mg		
APC (650/661 nm)	FP-79235A 0.5 ml		
FITC (494/515 nm)	FP-27713A 1 mg *2	FP-47489A 2 mg	73578A 1 mg
FluoProbes®495X5 (494/518 nm)	FP-AX1770 1 mg		
Cy™2 (492/520 nm)	33063A 1 mg	M0888A 1 mg	
FluoProbes®488 (493/517 nm)	FP-BA2221 1 mg	FP-BC6381 1 mg	FP-BC6391 1 mg
FluoProbes®520XXL (520/664 nm)	FP-BA6330 1 mg		
FluoProbes®480XXL (500/630 nm)	FP-BA6340 1 mg		
FluoProbes®485XXL (485/560 nm)	FP-BA6350 1 mg		
FluoProbes®490XXL (486/532 nm)	FP-BA6360 1 mg		
FluoProbes®500XXL (505/555 nm)	FP-BA6370 1 mg		
FluoProbes®510XXL (509/590 nm)	FP-BA6380 1 mg		
FluoProbes®505 (505/530 nm)	FP-AN0560 1 mg		
Cy™3 (550/570 nm)	09825A 1 mg	22385A 1 mg	
TRITC (TetraMethyl Rhodamine)(550/570 nm)	FP-41616A 1 mg	FP-51851A 2 mg	FP-M1356A 1 mg
FluoProbes®547 (557/574 nm)	FP-AX1460 1 mg		
FluoProbes®555 (555/580 nm)	FP-AU2860 1 mg		
RRX (Rhodamine Red™)(570/590 nm)	FP-82974A 1 mg	FP-M0893A 2 mg	FP-36195A 1 mg
SR101 (596/620 nm)	FP-26276A 1 mg	FP-47488A 2 mg	FP-68307A 1 mg
FluoProbes®630 (636/657 nm)	FP-AU2870 1 mg		
FluoProbes®647 (652/673 nm)	FP-BA1270 1 mg		
FluoProbes®682 (690/709 nm)	FP-BE8050 1 mg		
Cy™5 (650/670 nm)	28407A 1 mg	97225A 1 mg	
Enzyme label			
HRP	UP395888 1 mg	35445A 2 mg	UP36570A 1 mg
PA	UP518498 1 mg	10820A 1 mg	UP38592A 1 mg
β -Galactosidase	69865A 1 mg		
Glucose Oxidase		11808A 2 mg	
Other			
Unlabeled	UP51558C 5 mg*3	UP39860D 5 mg*3	UP25527A 5 mg
Agarose	UP23559A 2 ml		

*2 : Streptavidin-FITC : FluoProbes® recommends the use of Streptavidin-FluoProbes® 488 (higher signal and photostability).

*3 : other size available from 2 mg to bulk quantities.

Technical tip

Main fluorescent labels features

Following is a reminder of the fluorescent properties of selected labels (for other dyes, please see chapter II).

Fluorochrome(abs.max/Em.max)	Additional information	Comment / applications
FITC (Fluorescein)(492/520 nm)	page A321	The standard green dye.
FluoProbes®488 (493/518 nm)	page A317	Our superior alternative to FITC : (excellent fitting to FITC filters, more sensitive and photostable than FITC). That it replace advantageously in various applications, including IF Microscopy, FCM , FLISA...
FluoProbes®547 (557/574 nm)		Great for microarrays, ideal in tandem with FluoProbes® 647).
FluoProbes®647 (652/673 nm)		Great for micro-arrays, ideal in tandem with FluoProbes®547.
R-PE (480-565/576 nm)	page A348	Premium label for FCM and HTS, superior to any other competitor ! Suits especially FCM (double labeling with FITC or any other equivalent fluorochrome), HTS ELISA assays, MicroArray, and Microscopy with Ar/He laser

UltraAvidin Immunohistochemistry staining kits

The kits include all reagents necessary to stain microscopy slides, ELISA microplates, or Immunoblots that have been probed by mouse or rabbit primary antibodies. They increase the sensitivity for detecting very small amounts of antigen and decrease the time necessary for the entire procedure as compared to other immunostaining methods. Reagents supplied are sufficient for at least 1000 tissue sections in immunohistochemical staining or 2000 ELISA or immunoblotting tests.

Product	Cat.#
Mouse UltraAvidin Peroxidase Staining Kit	P28830
Rabbit UltraAvidin Peroxidase Staining Kit	P28850
Rabbit UltraAvidin Fluorescein Staining Kit	P28860
Mouse UltraAvidin Fluorescein Staining Kit	P28870
Mouse UltraAvidin SR101 Staining Kit	P28880
Rabbit UltraAvidin Rhodamine Staining Kit	P28890
Mouse UltraAvidin Rhodamine Staining Kit	P28910
Rabbit UltraAvidin SR101 Staining Kit	P28930

* Kits include : UltraBlock™ Blocking Buffer 4ml Reagent A : Biotin or FITC or Rhodamine or TR labeled Goat Anti-Mouse or Rabbit IgG 1ml Reagent B : UltraAvidin Peroxidase 1ml Mixing Bottles with drop dispenser tips.

See also ultravision kits for IHC using streptavidin amplifactor page A385.
See also Non immune sera ; for control, saturation page A355.