

Streptavidin - FluoProbes®

Products Description

Product name cat.number, quantity	More Info/label		Cat.number, Quantity	$\lambda_{exc} \lambda_{em}$ (nm)	mol. abs. (M ⁻¹ cm ⁻¹)
Streptavidin – FluoProbes AF350		[b]	FP-827291, 1mg	346 / 445	19 000
Streptavidin – FluoProbes 390A		(K) [b]	FP-BM7700, 1mg	390 / 479	24 000
Streptavidin – FluoProbes 425A		(K) [a]	FP-YE5040, 1mg	439 / 485	45 000
Streptavidin – FluoProbes 425LS		[b]	FP-AS4F00, 1mg	436 / 545	32 000
Streptavidin – FluoProbes 465A		(K) [a]	FP-CP1560, 1mg	453/508	75 000
Streptavidin – FITC		(K) [a]	FP-277137, 1mg	493 / 517	70 000
Streptavidin – FluoProbes 488	More	(K) [b]	FP-BA2221, 1mg	493 / 518	90 000
Streptavidin – FluoProbes AF488		[b]	FP-U76032, 1mg	494 / 517	73 000
Streptavidin – FluoProbes 490LS		(K) [a]	FP-AS4FB0, 1mg	496 / 661	40 000
Streptavidin – FluoProbes 495A		(K) [a]	FP-YE5050, 1mg	498 / 526	80 000
Streptavidin – FluoProbes 514A		(K) [a]	FP-AS4FJ1, 1mg	511 / 532	115 000
Streptavidin – FluoProbes 532A	More	(K) [b]	FP-CA5590, 1mg	532 / 553	115 000
Streptavidin – CY _{amine3}		[b]	FP-XEQ250, 1mg	555 / 565	150 000
Streptavidin – FluoProbes 550A		(K) [a]	FP-YE5060, 1mg	554 / 576	120 000
Streptavidin – FluoProbes 565A	More	(K) [b]	FP-CA5610, 1mg	563 / 592	120 000
Streptavidin – TRITC		(K) [b]	FP-41616A, 1mg	550 / 570	84 000
Streptavidin – R-PE		(H) [a]	FP-77776A, 1 ml	488-566 / 575	90 000
Streptavidin – FluoProbes AF594		[b]	FP-480671, 1mg	590 / 617	73 000
Streptavidin – FluoProbes 590 (SR101, SulfoRhodamine 101)		(K) [a]	FP-26276A, 1mg	595 / 615	94 000
Streptavidin – FluoProbes 594A		(K) [b]	FP-CA5620, 1mg	601 / 627	120 000
Streptavidin - FluoProbes 647N		(K) [b]	FP-YE5090, 1mg	646 / 664	150 000
Streptavidin – CY _{amine5}		[b]	FP-XEQ260, 1mg	649 / 665	250 000
Streptavidin – CY _{amine7}		[b]	FP-XEQ270, 1mg	756 / 776	240 000

Form:

[a]: Liquid in PBS, 1mg/ml

[b]: Freeze-dried powder in PBS. Dissolve the conjugate in distilled water to a concentration of 1 mg/ml.

Storage:

4°C >1 year. Long term storage: store below -20°C (excepted for PE conjugates) (K)

Protect from light and moisture. Equilibrate the product to room temperature before opening

Additional information

- **Streptavidin** is isolated from *Streptomyces avidinii*, and has a very high affinity for biotin (>10⁻¹⁴ M⁻¹). This makes the streptavidin-biotin interaction an ideal tool for many research applications. Streptavidin, ca 60KDa, does not have any carbohydrates and has a lower ionic charge than avidin, resulting in a lower non-specific background. This makes streptavidin a preferred choice for many biotin-based applications.
- FluoProbes-(strept)avidins can be used in most of **fluorescence techniques**, including FLISA, micro-array, FCM, and IHF. You can use your lab protocols, or find a large documentation in the literature. You also can contact FluoProbes for more information.
Dilution of use should be calibrated for optimal result. A starting dilution range is 1/200-1000 for IHF; 1/500-1/2000 for FCM, 1/1000-14000 for ELISA and micro-array.
- The FluoProbes labels are designed for accurate detection in most of **fluorescence techniques**, including FLISA, micro-array, FCM, and IHF. Our many suit to standard light source and filters, i.e.

FluoProbes label	Light Sources	Filtres	best suited for
FP-415	mercury lamp, water-cooled argon ion laser	UV filter	multiple labelings
FP-488	argon ion laser	FITC, Cy2 filters	Alternative of FITC and Cy2 (brighter and more photostable), A488 (more photostable)
FP-550A	Kr/Ar ion laser (50% max) He-Ne laser (543nm line), mercury lamp (546nm line)	TRITC, Cy3 filters	Alternative of Cy3 (brighter, more photostable)
FP-647N	Kr/Ar ion laser, He-Ne laser	APC, Cy5 filters	Alternative of Cy5 (brighter, more photostable)
FP-800		IRDYE800CW filters	Alternative of IRDYE800CW (brighter, more photostable)

More information can be found in other technical sheets:

FluoProbes® [488](#) Labels; FluoProbes [XXL](#) dyes (can be excited at the same λ 488 nm, with emissions over a wide λ range)

Other (strep) avidins, including Neutralized streptavidins, biotin, HRP, AP [FT-51558A](#)

Streptavidin R-PE [FT-7776A](#)

Avidin and Neutralized Avidin conjugates [FT-BC6391](#)

References

- **Bressenot A. et al.**, Assessment of Apoptosis by Immunohistochemistry to Active Caspase-3, Active Caspase-7, or Cleaved PARP in Monolayer Cells and Spheroid and Subcutaneous Xenografts of Human Carcinoma, *J. Histochem. Cytochem.*, 57: 289 - 300 (2009) [Abstract](#) (SR101, FP488)
- **Charles R.-C. et al.**, Postnatal Requirement of the Epithelial Sodium Channel for Maintenance of Epidermal Barrier Function, *J. Biol. Chem.*, 283: 2622 - 2630 (2008) [Article](#) (FP630)

Related products

Buffers: i.e. PBS buffer pack # [68723A](#), and tabs # 307157

Saturants: i.e. BSA powder #[UPQ84170](#) and 30% solution #UP900100, Seablock # AP1370

Biotin purification tools: i.e. Streptavidin Magnetic Beads *Uptibead* #UPR09020 for immunoprecipitations

PrimAbs search toll: over 100 000 primary antibodies (including biotinylated abs)

For any information, please ask: FluoProbes / Interchim; info@fluoprobes.com ; Hotline : +33(0)4 70 03 73 06

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

Disclaimer : Materials from FluoProbes® are sold **for research use only**, and are not intended for food, drug, household, or cosmetic use. FluoProbes® is not liable for any damage resulting from handling or contact with this product.

Rev.H08E