

PRODUCT INSERT

STREPTAVIDIN CONJUGATES

Product code	Form	Volume	Excitation (nm)	Peak Emission (nm)
SA1001	FITC	1.0 ml	488	525
SA1010	Cy3	0.5 ml	488	565
SA1004-1	R-PE	0.5 ml	488	575
SA1004-4	R-PE	2.0 ml		
SA1017	PE-TR <sup>†</sup>	0.5 ml	488	615
SA1006	TC <sup>‡</sup>	0.5 ml	488	670
SA1018	PE-Cy5.5	0.5 ml	488	694
SA1012	PE-Cy7	0.5 ml	488	767
SA1005	APC	0.5 ml	600-650	660
SA1011	Cy5	0.5 ml	600-650	670
SA1019	APC-Cy5.5	0.5 ml	600-650	694
SA1014	APC-Cy7	0.5 ml	600-650	767
SA1027	APC-Alexa Fluor <sup>®</sup> 750	1.0 ml	600-650	775

PRODUCT DESCRIPTION

Streptavidin

**Clone:** N/A

**Isotype:** N/A

**Lot No.:** See label      **Expiration:** See label

**Concentration:** See label

**Buffer:** Phosphate buffered saline (PBS)

**Preservative:** 0.1% *sodium azide*. Sodium azide is an extremely toxic and dangerous compound, particularly when combined with acids or metals. Solutions containing sodium azide should be disposed of properly.

**Stabilizer:** A highly purified grade of BSA has been added as a stabilizing agent.

STORAGE & HANDLING

Store reagents at 2-8°C. Light exposure should be avoided. Use dim light during handling, incubation with cells and prior to analysis. It is recommended that cells be analyzed within 18 hours of staining. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

PRODUCT CHARACTERIZATION

Streptavidin binds to biotin with high affinity (10<sup>-15</sup> M). When conjugated to fluorochromes, streptavidin is a potent second step reagent used to detect primary, biotinylated antibodies.

PRODUCT QUALITY CONTROL

Every lot of fluorochrome-conjugated streptavidin is tested by flow cytometry using biotinylated primary antibodies. From this testing it is recommended that between 0.05 and 0.2 µg of streptavidin be used per 1 x 10<sup>6</sup> cells in a 100 µl staining volume. Because conditions may vary, each investigator should determine the optimal amount of streptavidin to be used for each application.

<sup>†</sup> TR, Texas Red<sup>®</sup>














<sup>‡</sup> TC, TRI-COLOR<sup>®</sup>, PE-Cy<sup>®</sup>5

The efficiency of energy transfer in tandem dyes can be significantly decreased by exposure to visible light. We recommend that longer wavelength fluorochrome conjugates, e.g. PE-Cy<sup>®</sup>7, PE-Alexa Fluor<sup>®</sup> 700, be protected from light during staining and while awaiting analysis, e.g. cover with aluminum foil.

The Texas Red<sup>®</sup>, Alexa Fluor<sup>®</sup> and Pacific Blue<sup>™</sup> dye conjugates in this product are sold under license from Molecular Probes, Inc., for research use only or as analyte specific reagents, except for use in combination with microarrays or high content screening, and are covered by pending and issued patents.

Cy<sup>®</sup> is a trademark of GE/Amersham Biosciences.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

**For Research Use Only. CAUTION: Not for human or animal therapeutic or diagnostic use.**

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