

eBioscience™ Streptavidin eFluor™ 506

Catalog Number 69-4317-82

Pub. No. MAN0018854 Rev. A.0

WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

Streptavidin (SA, SAv) is a 52.8 kDa tetramer that binds to biotin with high affinity. Streptavidin fluorochrome conjugates are commonly used in indirect staining protocols to detect biotinylated primary antibodies in flow cytometry.

eFluor™ 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 bandpass filter, or equivalent. Ensure that your instrument is capable of detecting this fluorochrome.

Product specifications

Concentration	0.2 mg/mL
Excitation/Emission	405 nm/506 nm
Formulation	Aqueous buffer, 0.09% sodium azide. May contain carrier protein/stabilizer.
Storage	Store at 2-8°C, protected from light. Do not freeze.
Applications reported	Flow cytometric analysis.
Applications tested	Flow cytometric analysis to detect biotinylated primary antibodies.
Batch code	See product label.
Use by	See product label.

Staining guidelines

- Workflow: Incubate cells with primary biotinylated antibody, wash twice, and stain with SAv conjugate.
- A test is defined as the amount (µg) of streptavidin fluorochrome conjugate that stains a cell sample in a final volume of 100 µL.

- Titrate streptavidin carefully to determine optimal performance in the assay of interest.
- Stain biotinylated primary antibodies with ≤0.125 µg/test.
- Determine optimal cell number empirically, but typical values can range from 10⁵ to 10⁸ cells/test.

Experimental results

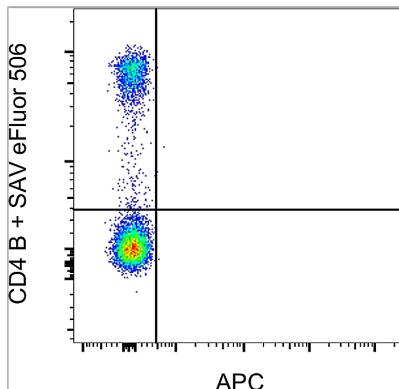


Fig. 1 BALB/c mouse splenocytes were stained with 0.125 µg of CD4 Monoclonal Antibody, Biotin [Cat. no. 13-0042-82] followed by Streptavidin eF506. Cells in the lymphocyte gate were used for analysis.

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

The information in this guide is subject to change without notice.

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