

Spark Blue™ 515 Streptavidin

Catalog# / Size	405389 / 25 µg 405390 / 100 µg
Regulatory Status	RUO
Other Names	Streptavidin- Spark Blue™ 515, SAV- Spark Blue™ 515, streptavidin Spark Blue™ 515, SAV
Description	Streptavidin is a 52.8 kD tetrameric protein obtained from <i>Streptomyces avidinii</i> . It binds to biotin with a very high affinity and is one of the strongest interactions in nature with a dissociation constant of 10^{-14} mol/L. It is used in a wide range of applications including flow cytometry, molecular biology, and bionanotechnology.

Product Details

Verified Reactivity	Human, Mouse, Rat, All Species
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	Streptavidin is conjugated with Spark Blue™ 515 under optimal conditions.
Concentration	0.5 mg/mL (concentration relates to the Streptavidin only component of the conjugate)
Storage & Handling	The Streptavidin Spark Blue™ 515 solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	<p>This streptavidin product is quality control tested by immunofluorescent staining with flow cytometric analysis. The concentration provided is based upon molecular mass of streptavidin independent of any additional molecular mass that might be added by the Spark Blue™ 515 conjugation. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>* Spark Blue™ 515 has a maximum excitation of 490 nm and a maximum emission of 515 nm.</p>
Excitation Laser	Blue Laser (488 nm)

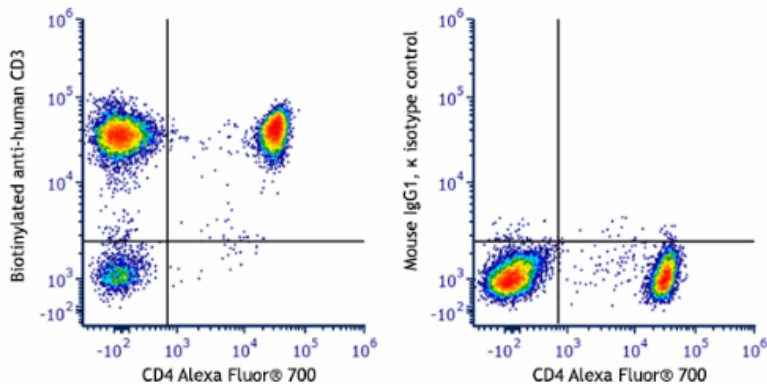
Antigen Details

Gene ID	NA
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Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Product Data



Human peripheral blood lymphocytes were stained with biotinylated anti-human CD3 (clone UCHT1) (left) or biotinylated mouse IgG1, κ isotype control (right). Cells were then stained with anti-human CD4 (clone SK3) Alexa Fluor® 700 and SAV-Spark Blue™ 515.

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