

Spark PLUS UV395™ Streptavidin

Catalog# / Size	405391 / 25 µg 405392 / 100 µg
Regulatory Status	RUO
Other Names	Streptavidin- Spark PLUS UV395™, SAV- Spark PLUS UV395™, streptavidin Spark PLUS UV395™, SAV
Description	Streptavidin is a 52 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 PLUS UV395™ under optimal conditions
Concentration	0.2 mg/mL (concentration relates to the Streptavidin only component of the conjugate)
Storage & Handling	The streptavidin 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	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 PLUS UV395™ 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. * Spark PLUS UV395™ has a maximum excitation of 355 nm and a maximum emission of 385 nm.
Excitation Laser	Ultraviolet Laser (355 nm)

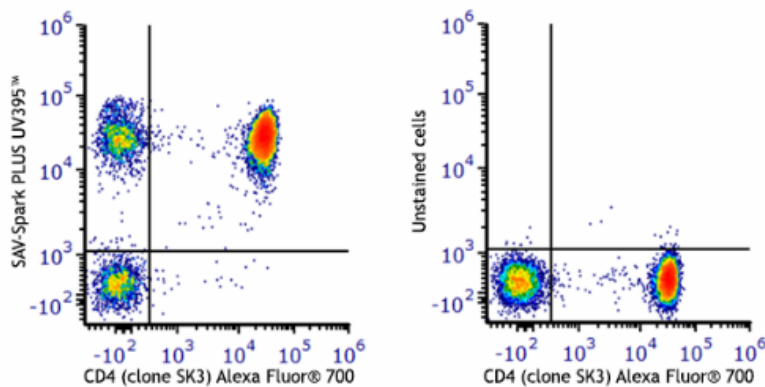
Antigen Details

Gene ID	NA
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Related Protocols

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

Product Data



Human peripheral blood cells were stained with anti-human CD4 (clone SK3) Alexa Fluor® 700 and biotinylated anti-human CD3 (clone UCHT1), followed by SAV-Spark PLUS UV395™, or stained with anti-human CD4 (clone SK3) Alexa Fluor® 700 only (right). Data shown was gated on lymphocytes.

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