

Spark Red™ 718 Streptavidin

Catalog# / Size	405385 / 25 µg 405386 / 100 µg
Regulatory Status	RUO
Other Names	Streptavidin- Spark Red™ 718, SAV- Spark Red™ 718, streptavidin Spark Red™ 718
Description	Streptavidin is a 52.8 kDa 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 to detect biotinylated proteins in a wide range of applications.

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 Red™ 718 under optimal conditions.
Concentration	0.5 mg/mL (concentration relates to the Streptavidin only component of the conjugate)
Storage & Handling	The antibody 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 Red™ 718 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.
Excitation Laser	Red Laser (633 nm)

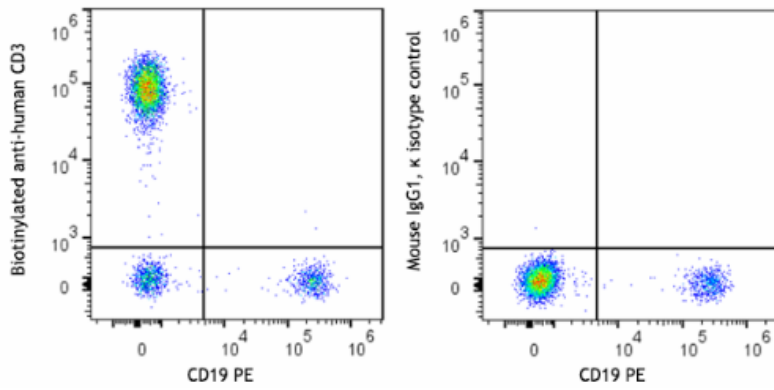
Antigen Details

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), followed with SAV-Spark Red™ 718 and anti-human CD19 (clone HIB19) PE.

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
 Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587