

## Brilliant Violet 750™ Streptavidin

<b>Catalog# / Size</b>	405381 / 25 µg 405382 / 100 µg
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Streptavidin- Brilliant Violet 750™, SAv- Brilliant Violet 750™, streptavidin Brilliant Violet 750™
<b>Description</b>	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 <sup>-14</sup> mol/L. It is used to detect biotinylated proteins in a wide range of applications.

### Product Details

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<b>Verified Reactivity</b>	Human, Mouse, Rat, All Species
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	Streptavidin is conjugated with Brilliant Violet 750™ under optimal conditions.
<b>Concentration</b>	0.2 mg/mL (concentration relates to the Streptavidin only component of the conjugate)
<b>Storage &amp; Handling</b>	The Streptavidin Brilliant Violet 750™ solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	<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 Brilliant Violet 750™ 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>Brilliant Violet 750™ excites at 405 nm and emits at 750 nm. The bandpass filter 780/60 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 750™ is a trademark of Sirigen Group Ltd.</p> <p><a href="#">Learn more about Brilliant Violet™.</a></p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
<b>Excitation Laser</b>	Violet Laser (405 nm)

### Antigen Details

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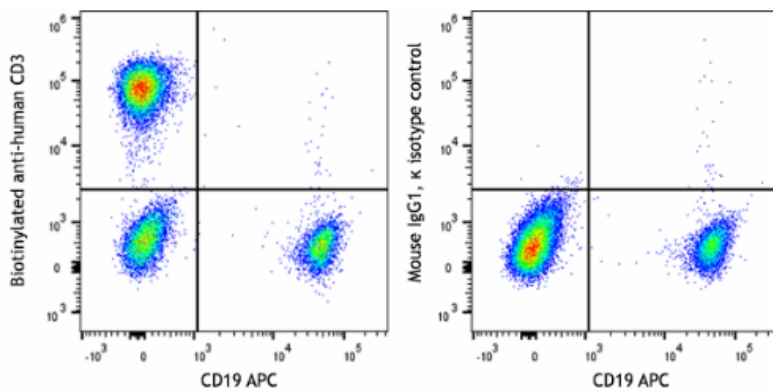
<b>Gene ID</b>	NA
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### Related Protocols

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

## Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 APC and biotinylated anti-human CD3 (left) or biotinylated mouse IgG1,  $\kappa$  isotype control (right), followed with SAV- Brilliant Violet 750™.

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