

Technical Data Sheet

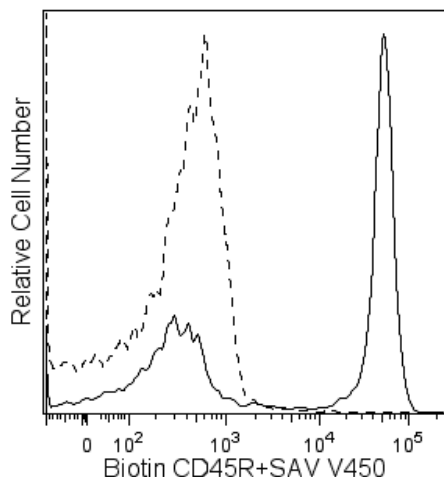
V450 Streptavidin

Product Information

Material Number:	560797
Size:	0.1 mg
Concentration:	0.5 mg/ml
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Streptavidin is conjugated to BD Horizon V450, which has been developed for use in multicolor flow cytometry experiments and is available exclusively from BD Biosciences. It is excited by the Violet laser Ex max of 406 nm and has an Em Max at 450 nm. Conjugates with BD Horizon V450 can be used in place of Pacific Blue™ conjugates.



Flow cytometric analysis of CD45R/B220 expression on mouse splenocytes using biotin-conjugated anti-mouse CD45R/B220 antibody and BD Horizon™ V450 Streptavidin. BALB/c mouse spleen cells were stained with Biotin anti-mouse CD45R/B220 (Cat. No. 553086) antibody followed by BD Horizon™ V450 Streptavidin (solid line of histogram) or with BD Horizon™ V450 Streptavidin alone (dashed line of histogram overlay). Flow cytometric histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes. Flow cytometry was performed using a BD™ LSRII System.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Recommended Assay Procedure:

V450 Streptavidin is a useful second-step reagent for the indirect immunofluorescent staining of cells in combination with biotinylated primary antibodies for flow cytometric analysis.

Suggested Companion Products

Catalog Number	Name	Size	Clone
554656	Stain Buffer (FBS)	500 mL	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
3. BD Horizon™ V450 has a maximum absorption of 406 nm and maximum emission of 450 nm. Before staining with this reagent, please confirm that your flow cytometer is capable of exciting the fluorochrome and discriminating the resulting fluorescence.
4. Pacific Blue™ is a trademark of Molecular Probes, Inc., Eugene, OR.
5. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
6. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Shapiro HM. *Practical Flow Cytometry, 3rd Edition*. New York: Wiley-Liss, Inc; 1995:280-281. (Methodology)

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