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Des femmes et des hommes
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Brilliant Violet 570™ Antibody Conjugates

Brilliant Versatility for Multi-Color Flow Cytometry

- Excellent signal-to-noise
- Intracellular staining compatible, non-nanocrystal
- Stable to fixation
- Extensive Selection of Conjugates
- Ready-to-use, simple integration into existing multicolor panels

Brilliant Performance

Brilliant Violet 570™ is the newest in the series of Brilliant Violet™ fluorophores, which are novel highly fluorescent polymers developed from Nobel Prize-winning chemistry.[1] Excitable by the violet laser at 405 nm wavelength, BV570™ brings excellent brightness and signal-to-noise for antigen detection.

With an excellent selection of directly labeled antibodies, BV570™ brings meaningful versatility to your multi-color flow cytometry panels. Effective for both surface and intracellular antigens, BV570™ antibodies require no special handling or buffers. It can be detected with the 585/42 bandpass filter commonly used for Pacific Orange™, and can be used on any violet laser equipped instrument with the appropriate filters. Discrete excitation/emission properties and lack of spillover make BV570™ compensation in multicolor panels quite manageable.

1. The Nobel Prize in Chemistry, 2000: A. Heeger, A.G. MacDiarmid, H. Shirakawa.

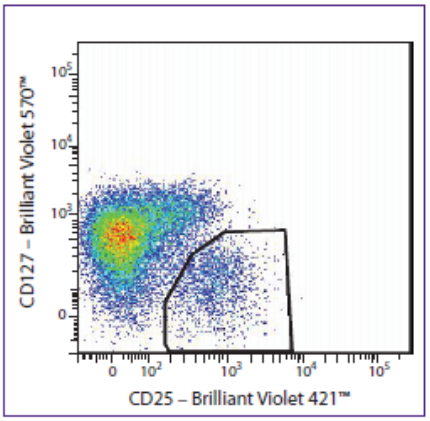
Stain Index of BV570™ and comparables

Specificity /Clone	Fluorochrome	Laser Excitation	Filter	Stain Index
CD8/RPA-T8	Brilliant Violet 570™	405 nm	585/42	145
CD8/RPA-T8	Pacific Orange™	405 nm	585/42	27
CD8/RPA-T8	BD Horizon™ V500	405 nm	510/50	23
CD3/UCHT1	Brilliant Violet 570™	405 nm	585/42	66
CD3/UCHT1	Pacific Orange™	405 nm	585/42	10

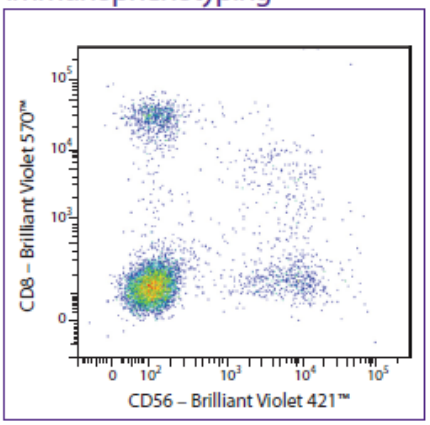
Human RBC-lysed whole blood cells were stained with anti-CD8 or anti-CD3 conjugated to the above fluorochromes and run on the BD™ LSR II flow cytometer. The stain index values indicated are derived at the optimal concentration for each conjugate.

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Treg identification



Immunophenotyping



Human RBC-lysed whole blood cells were stained with (top) anti-CD127 BV570™ and anti-CD25 BV421™ or (bottom) anti-CD8 BV570™ and anti-CD56 BV421™. In the top dot-plot, cells were gated on CD4 positive cells. The data demonstrates the capabilities for using BV570™ and BV421™ conjugates together in multicolor panels. Data (top), provided by Eva Tolosa, University Medical Center Hamburg-Eppendorf.

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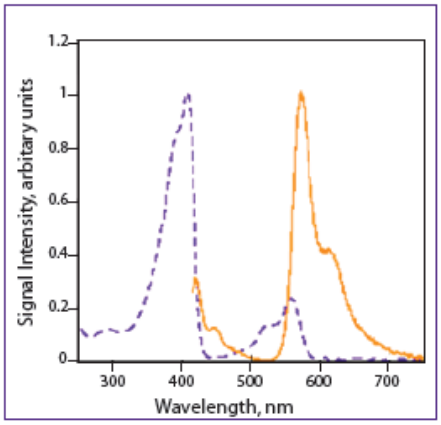
Brilliant Violet™ Conjugated Antibodies

For more product information visit: **biolegend.com/brilliantviolet**

Brilliant Choice

Brilliant Violet 570™ antibodies are provided in convenient 5 µl pre-optimized test sizes. They are simple to use, compatible with standard staining buffers, and stable to fixation, allowing them to fit easily into your panels and protocols, without requiring any special modifications. Bulk sizes and custom conjugations are also available.

Compare the excitation/emission spectral data of Brilliant Violet 570™ with other fluorophores on our Fluoroscence Spectra Analyzer: **biolegend.com/spectraanalyzer**



With a narrow emission spectrum, Brilliant Violet 570™ is well-suited for use in combination with other fluorophores on the violet laser.

Human Specificity	Clone	Cat. No.	Size
CD3	UCHT1	300435	25 tests
CD4	RPA-T4	300533	25 tests
CD8a	RPA-T8	301037	25 tests
CD14	HCD14	325625	25 tests
CD16	3G8	302035	25 tests
CD19	HIB19	302235	25 tests
CD20	2H7	302331	25 tests
CD33	WM53	303417	25 tests
CD44	IM7	103037	125 µl
CD45	HI30	304033	25 tests
CD45RA	HI100	304131	25 tests
CD56 (NCAM)	HCD56	318329	25 tests
CD127	A019D5	351307	25 tests
HLA-DR	L243	307637	25 tests
IFN-γ	4S.B3	502533	25 tests
IgM	MHM-88	314517	25 tests

Mouse Specificity	Clone	Cat. No.	Size
CD3	17A2	100225	125 µl
CD4	RM4-5	100541	125 µl
CD8a	53-6.7	100739	125 µl
CD11b	M1/70	101233	125 µl
CD11c	N418	117331	125 µl
CD19	6D5	115535	125 µl
CD44	IM7	103037	125 µl
CD45	30-F11	103135	125 µl
CD45.1	A20	110733	125 µl
CD45.2	104	109833	125 µl
CD45R/B220	RA3-6B2	103237	125 µl
CD62L	MEL-14	104433	125 µl
GR1	RB6-8C5	108431	125 µl
Ly-6C	HK1.4	128029	125 µl
Ly-6G	1A8	127629	125 µl
Ly-6G/Ly-6C (Gr-1)	RB6-8C5	108431	125 µl
NK-1.1	PK136	108733	125 µl
TCR β	H57-597	109231	125 µl

Isotype Controls	Clone	Cat. No.	Size
Armenian Hamster IgG	HTK888	400937	125 µl
Mouse IgG1, κ	MOPC-21	400159	25 tests
Mouse IgG2a, κ	MOPC-173	400261	25 tests
Mouse IgG2b, κ	MPC-11	400343	25 tests
Rat IgG2a, κ	RTK2758	400537	125 µl
Rat IgG2b, κ	RTK4530	400641	125 µl

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BD™ and BD Horizon™ V500 are trademarks of Becton, Dickinson and Company.

Nous contacter

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