SONY

Product Data Sheet

Brilliant Violet 711™ anti-human CD185 (CXCR5)

Catalog # / Size: 2384670 / 100 tests
2384665 / 25 tests

Clone: J252D4

Isotype: Mouse IgG1, κ

Immunogen: Human CXCR5-transfected cells

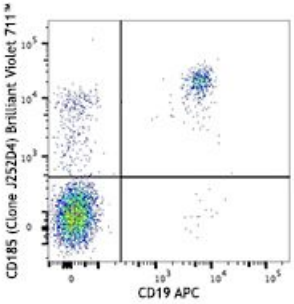
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: III 155

Concentration: Lot-specific



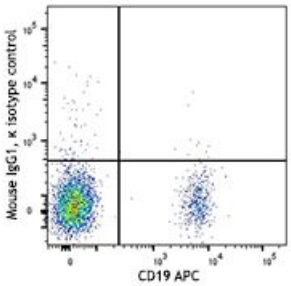
Human peripheral blood lymphocytes were stained with CD19 APC and CD185 (clone J252D4) Brilliant Violet 711™ (top) or mouse IgG1, κBrilliant Violet 711™ isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 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 711™ is a trademark of Sirigen Group Ltd.



Human peripheral blood lymphocytes were stained with CD19 APC and CD185 (clone J252D4) Brilliant Violet 711™ (top) or mouse IgG1, κ Brilliant Violet 711™ isotype control (bottom).

Description: CD185, also known as CXCR5, is a 42 kD G-protein coupled receptor with seven transmembrane regions. CXCR5 is expressed by mature B cells, follicular helper T cells, Burkitt's lymphoma cells and a subset of neurons, and mediates cell migration to the B cell follicles in the secondary lymphoid organs. The ligand of CXCR5 is CXCL13 (BLC).

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Antigen References:

1. Ma CS, *et al.* 2012. *J. Exp. Med.* 209:1241.
2. León B, *et al.* 2012. *Nat. Immunol.* 13:681.
3. Crotty S. 2011. *Annu. Rev. Immunol.* 29:621.
4. Kerfoot SM, *et al.* 2011. *Immunity* 34:947.
5. Sáez de Guinoa J, *et al.* 2011. *Blood* 118:1560.

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