SONY

Product Data Sheet

Brilliant Violet 421™ anti-human GPR15

Catalog # / Size: 2465035 / 25 tests
2465040 / 100 tests

Clone: SA302A10

Isotype: Mouse IgG2a, κ

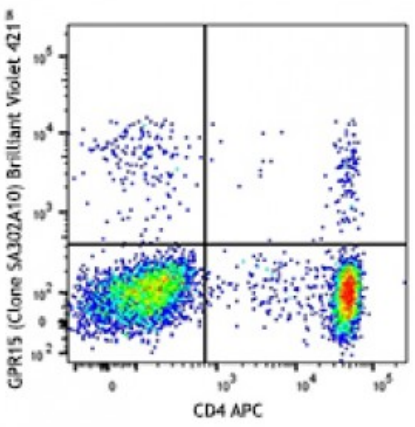
Immunogen: Human GPR15-transfected cells.

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.

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

Concentration: 0.2



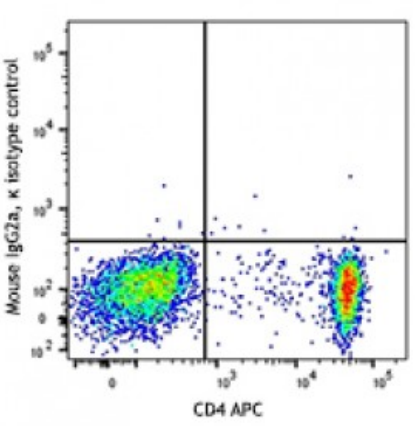
Human peripheral blood lymphocytes were stained with CD4 APC and GPR15 (clone SA302A10) Brilliant Violet 421™ (top) or mouse IgG2a, κ Brilliant Violet 421™ isotype control (bottom).

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.



Description: GPR15, also known as BOB, is a G-protein coupled receptor with 7 transmembrane regions, that is present on the cell surface as an homotrimer. GPR15 is homologous to chemokine receptors but its natural ligand is unknown. It acts as receptor for human immunodeficiency virus type 1 and 2. GPR15 is expressed by effector T cells and subsets of memory T cells, and is involved in the recruitment of proinflammatory $CD4^+$ T cells responsible of the pathogenesis in colitis. It is upregulated on monocytes and neutrophils in the synovia of patients with RA.

Antigen References:
1. Nguyen LP, *et al.* 2015. *Nat. Immunol.* 16:207.
2. Kiene M, *et al.* 2014. *PLoS One* 9:e88195.

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3. Cartwright A, *et al.* 2014. *Cytokine.* 67:53.
4. Kim SV, *et al.* 2013. *Scienc*