

Anti-Mouse CD196-156Gd

Catalog #: 3156016A

Package Size: 50 tests

Storage: Store product at 4°C. Do not freeze.

Cross Reactivity: Mouse

Clone: 29-2L17

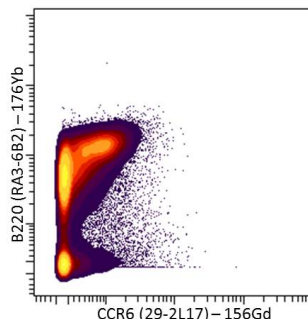
Isotype: Hamster IgG

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 176Yb-anti-B220/CD45R (RA3-6B2) and 156Gd-anti-CCR6 (29-2L17). Total viable CD3-CD11b- cells are displayed in the analysis.

Description

CD196, also known as CCR6, is a G-protein coupled receptor which binds MIP3α/CCL20, a chemoattractant for dendritic cells, T cell and B cells. The CCL20-CCR6 association is unusual in that it is one of the few chemokine receptors to form an exclusive pair with only one chemokine. CD196 is expressed on T, B, dendritic, NK and langerhans cells. CD196-CCL20 interactions have been shown to be involved in several autoimmune and inflammatory processes such as rheumatoid arthritis, multiple sclerosis, psoriasis and inflammatory bowel disease. Furthermore, this receptor has been implicated in the development of both Th17 and Regulatory CD4+ T cells.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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