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Technical Data Sheet

Anti-Human CD209 (DC-SIGN) PerCP-Cyanine5.5

Catalog Number :31111-70

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: h209

Format/Conjugate: PerCP-Cyanine5.5

Concentration: 5 uL (0.5 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 695nm

Peak Excitation: 482nm

Filter: 695/40

Brightness (1=dim,5=brightest): 3

Isotype: Rat IgG2a, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The h209 monoclonal antibody reacts with human CD209, also known as Dendritic Cell-Specific Intercellular adhesion molecule 3 (ICAM-3)-Grabbing Nonintegrin (DC-SIGN). CD209 is a 44kDA type II membrane protein with a mannose-binding C-type lectin domain. It is reported to bind ICAM-2, ICAM-3, Butyrophilin, and HIV-1 gp120. CD209 is expressed on dendritic cells and is thought to mediate the endocytosis of pathogens, dendritic cell migration, and T cell proliferation.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1.Kleijwegt, F. S., Laban, S., Duinkerken, G., Joosten, A. M., Koeleman, B. P., Nikolic, T., Roep, B. O. (2011). Transfer of regulatory properties from tolerogenic to proinflammatory dendritic cells via induced autoreactive regulatory T cells.;The Journal of Immunology,;187(12), 6357-6364.

2. Wang, P., Yang, B., Zhou, B., Zhang, J., Li, S., Jiang, J., ... Jin, F. (2016). Distribution and expression profiles of dendritic cell subpopulations in human bladder cancer.;INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL PATHOLOGY,;9(7), 7180-7187.

3. Pöhlmann, S., Baribaud, F., Lee, B., Leslie, G. J., Sanchez, M. D., Hiebenthal-Millow, K., ... Doms, R. W. (2001). DC-SIGN interactions with human immunodeficiency virus type 1 and 2 and simian immunodeficiency virus.;Journal of Virology,;75(10), 4664-4672.

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