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Technical Data Sheet

Anti-Human CD161 PerCP-Cyanine5.5

Catalogue Number : 13711-70

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

Product Information

Clone: HP-3G10
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: Mouse IgG1, 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 HP-3G10 monoclonal antibody specifically binds to an 80 kDa homodimer type II membrane glycoprotein from the C-type lectin superfamily, known as the human CD161 or NKR-P1A. CD161 is expressed on most natural killer cells, subsets of CD4+ and CD8+ T lymphocytes, γδ TCR T lymphocytes, a subset of CD3+ thymocytes, and especially on CD45RO+ T lymphocytes. Reports indicate that it may serve as a specific receptor for some natural killer cell targets and a possible stimulatory role.

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

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2. Cosmi, L., De Palma, R., Santarlasci, V., Maggi, L., Capone, M., Frosali, F., ... Annunziato, F. (2008). Human interleukin 17;producing cells originate from a CD161+ CD4+ T cell precursor.;The Journal of experimental medicine,;205(8), 1903-1916.

3. Exley, M., Porcelli, S., Furman, M., Garcia, J., Balk, S. (1998). CD161 (NKR-P1A) costimulation of CD1d-dependent activation of human T cells expressing invariant Vα24JαQ T cell receptor α chains.;The Journal of experimental medicine,;188(5), 867-876.

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