

Anti-Human CD161 Purified

Catalog Number :13711-20

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

Product Information

Clone: HP-3G10

Format/Conjugate: Purified

Concentration: 0.5 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

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, FA, WB

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. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Márquez, C., Trigueros, C., Franco, J. M., Ramiro, A. R., Carrasco, Y. R., López-Botet, M., Toribio, M. L. (1998). Identification of a common developmental pathway for thymic natural killer cells and dendritic cells.; *Blood*, 91(8), 2760-2771.
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 Vα24JaQ T cell receptor α chains.; *The Journal of experimental medicine*, 188(5), 867-876.