

Anti-Human CD137 (4-1BB) PE-Cyanine7

Catalog Number: 19411-77

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

Product Information

Clone: 4B4

Format/Conjugate: PE-Cyanine7 **Concentration:** 5 uL (0.125 ug)/test

Reactivity: Human Laser: Blue (488nm)

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

Description

The 4B4 monoclonal antibody reacts with human CD137 (4-1BB), a type I membrane protein and member of the TNFR family. It is expressed on NK cells, T cells, dendritic cells, and mast cells and plays a role in T cell activation and 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 μ L per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 μ L.

References

- 1.Kienzle, G., von Kempis, J. (2000). CD137 (ILA/4-1BB), expressed by primary human monocytes, induces monocyte activation and apoptosis of B lymphocytes.;International immunology,;12(1), 73-82.
- 2. Lin, W., Voskens, C. J., Zhang, X., Schindler, D. G., Wood, A., Burch, E., ... Wang, L. X. (2008). Fc-dependent expression of CD137 on human NK cells: insights into "agonistic" effects of anti-CD137 monoclonal antibodies.;Blood,;112(3), 699-707.
- 3. Kim, K. M., Kim, H. W., Kim, J. O., Baek, K. M., Kim, J. G., Kang, C. Y. (2002). Induction of 4-1BB (CD137) expression by DNA damaging agents in human T lymphocytes.;Immunology,;107(4), 472-479.