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Technical Data Sheet

Anti-Human HLA-DR FITC

Catalog Number :74111-50

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

Product Information

Clone: LN3

Format/Conjugate: FITC

Concentration: 5 uL (0.125 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

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

Isotype: Mouse IgG2b, 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 LN3 monoclonal antibody specifically reacts with the human leukocyte antigen-DR (HLA-DR), a MHC class II heterodimeric surface glycoprotein. HLA-DR is expressed on the antigen presenting surfaces of monocytes, macrophages, dendritic cells, activated T cells, and B cells. It is integral to peptide presentation to CD4+ T cells.

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.Norton, A. J., Isaacson, P. G. (1987). Detailed phenotypic analysis of B-cell lymphoma using a panel of antibodies reactive in routinely fixed wax-embedded tissue.;The American journal of pathology,;128(2), 225.

2. Hua, Z. X., Tanaka, K. E., Tazelaar, H. D., Myers, J., Markowitz, G. S., Borczuk, A. C. (1998). Immunoreactivity for LN2 and LN3 distinguishes small cell carcinomas from non-small cell carcinomas in the lung.;Human pathology,29(12), 1441-1446.

3. Ioachim, H. L., Pambuccian, S. E., Hekimgil, M., Giancotti, F. R., Dorsett, B. H. (1996). Lymphoid monoclonal antibodies reactive with lung tumors: diagnostic application.;The American journal of surgical pathology,;20(1), 64-71.

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