

## Anti-Human HLA-DR FITC

Catalogue Number : 74111-50

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

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### 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., Giacotti, 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.