

## Anti-Human CD24 FITC

Catalogue Number : 06321-50

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

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### Product Information

**Clone:** ML5

**Format/Conjugate:** FITC

**Concentration:** 0.5 mg/mL

**Reactivity:** Human

**Laser:** Blue (488nm)

**Peak Emission:** 520nm

**Peak Excitation:** 494nm

**Filter:** 530/30

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

**Isotype:** Mouse IgG2a, 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.

**Applications:** FC

### Description

The ML5 monoclonal antibody specifically reacts with human CD24, a 35-45 kDA molecule also known as the Heat Stable Antigen (HAS), Ly-52, Nectadrin. It can be used as a marker for distinguishing between lymphocyte developmental stages as its expression varies on T and B cells during differentiation. CD24 is also expressed on monocytes, dendritic cells, hematopoietic stem cells, epidermal Langerhans cells, and neurons.

### 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. McMichael, A. J. (1987).; Leucocyte typing III: white cell differentiation antigens. Oxford University Press, USA.
2. Sagiv, E., Kazanov, D., ; Arber, N. (2006). CD24 plays an important role in the carcinogenesis process of the pancreas.; Biomedicine ; pharmacotherapy, 60(6), 280-284.
3. Kristiansen, G., Winzer, K. J., Mayordomo, E., Bellach, J., Schl&uuml;ns, K., Denkert, C., ... ; Dietel, M. (2003). CD24 expression is a new prognostic marker in breast cancer.; Clinical Cancer Research., 9(13), 4906-4913.
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