

Anti-Human CD24 FITC

Catalog Number :06311-50

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

Product Information

Clone: SN3

Format/Conjugate: FITC

Concentration: 5 uL (0.25 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

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

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 SN3 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. Kristiansen, G., Machado, E., Bretz, N., Rupp, C., Winzer, K. J., König, A. K., ... Altevogt, P. (2010). Molecular and clinical dissection of CD24 antibody specificity by a comprehensive comparative analysis. *Laboratory Investigation*, 90(7), 1102-1116.
2. Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
3. Jiang, W., Sui, X., Zhang, D., Liu, M., Ding, M., Shi, Y., Deng, H. (2011). CD24: A Novel Surface Marker for PDX1-Positive Pancreatic Progenitors Derived from Human Embryonic Stem Cells. *Stem Cells*, 29(4), 609-617.