MONOCLONAL ANTIBODY CD124

Cat. No.	Form	Quantity	Presentation
1450	Purified	0.2 mg	Freeze-dried
2072	PE	100 tests	Liquid 2 mL

Clone S4-56C9

Isotype IgG1 (mouse)

Immunogen Recombinant soluble IL-4 receptor.

Hybridoma Balb/C x NS1.

Specificity The CD124 antigen is the human IL-4 receptor α chain (1, 2). It is expressed by mature B and T cells, hemopoietic precursors, fibroblasts and endothelial cells (3, 4). S456C9 antibody recognizes membrane and soluble form of IL-4 R (5, 6). It is a blocking antibody.

Applications Studies of IL-4R positive cells by flow cytometry.

Immunoprecipitation (6)

Inhibition of IL-4 binding (5, 6)

Buffer Freeze-dried form: 1 mg/mL bovine serum albumin in phosphate-buffered saline.

Liquid form: 2 mg/mL bovine serum albumin in phosphate-buffered saline containing 0.1% sodium azide.

Reconstitution and Storage The freeze-dried form may be stored at 2-8°C until the expiration date. Reconstitute with 0.8 mL of distilled water. No preservative has been added. The reconstituted form may be stored at -20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2-8°C.

The conjugated forms should not be frozen and should be stored in the dark at 2-8°C until the expiration date stated on the vial label.

Recommended Procedures Flow cytometry:

Freeze-dried form: 2 µg / $5x10^5$ cells / test or 100 µL whole blood.

Liquid form: 20 µL / $5x10^5$ cells / test or 100 µL whole blood.

February 27, 1997

MA003

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Direct labelling using conjugated liquid forms (Cat. No. 2072)

1. Pipet 100 µL of specimen collected with EDTA into two tubes (1 test tube, 1 control tube).
2. To the test tube add 20 µL of the conjugated CD124 antibody. To the control tube add 20 µL of appropriate conjugated isotypic control. Vortex test and control tubes.
3. Incubate for 15 min. at room temperature (18-25°C) in the dark.
4. Proceed as usual for lysis of red blood cells and fixing of white cells.

References

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