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## Anti-Human CD55 Purified

**Catalog Number:** 14-0559

**Also Known As:** Decay accelerating factor, DAF

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

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### Product Information

**Contents:** Anti-Human CD55 Purified

**REF** **Catalog Number:** 14-0559

**Clone:** 143-30

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** IV NL-7

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

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### Description

The 143-30 monoclonal antibody reacts with human CD55, the 64-73 kDa molecule also known as DAF (Decay-Accelerating Factor). CD55 is a GPI-anchored single chain glycoprotein expressed on all cells in contact with serum including all hematopoietic cells and vascular endothelium; a soluble form of CD55 is also present in plasma and body fluids. CD55 is thought to play a role in the protection of cells from the damage by autologous complement via prevention of the amplification steps of the complement cascade. Antibodies against CD55 are mitogenic in the presence of phorbol esters.

### Applications Reported

The 143-30 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The 143-30 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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