



**Category:** Monoclonal Antibodies      **Cat. #** V3237-2      **Product Name:** CD55 - Purified

**Description:**

Monoclonal Mouse Anti-Human CD55, a 70 kD glycoprotein that is anchored to the cell membrane by the glycosylphosphatidylinositol tail. The CD55 antigen is widely distributed in human hematopoietic and non-hematopoietic cells.

**Immunogen:**

Human K562 cells.

**Application:**

This antibody can be used for flow cytometry and immunoprecipitation techniques.

**Species Reactivity:**

Human. Others not tested.

**Recommended Positive Control:**

human hematopoietic cells.

**Presentation:**

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

**Aliquoting Instructions:**

In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

**Staining Procedure:**

It is recommended that this product be used in frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

**Specificity:**

This antibody detects the complement regulatory protein DAF, known as CD55, a 70 kD glycoprotein that is anchored to the cell membrane by the glycosylphosphatidylinositol tail. The CD55 antigen is widely distributed in human hematopoietic and non-hematopoietic cells. This antibody reacts with a variety of human cells including erythrocytes, epithelium, and endothelium. It is specifically reactive with cells at the fetal-maternal interface of the placenta.

**Storage:**

Store at 2~8o C for short term, freeze under -20oC for long term storage.

**Size:** 0.2 mg

**Clone:** B368(F4-29D9)

**Isotype:** IgG1-k

**Host:** Mouse

**Form:** Purified

**Concentration:** 0.5 mg/ml

**Units On Hand:** YES

**References:**

1. Holmes, C.H., et al. J Immunol, 144: 3099-3105, 1990.
2. Hadam, M.R. in Leucocyte Typing IV; White Cell Differentiation Antigens, ed. by Knapp, W., et al Oxford University Press, 694-697.

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**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)**