

**ANTIGENIX AMERICA INC.**  
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## **PRODUCT INFORMATION SUMMARY**

### **ANTI-MOUSE CD44**

Purified Antibody	Product Number	RM440020	0.25 mg
Fluorescein Conjugate	Product Number	RM440030	100 tests
Phycoerythrin Conjugate	Product No.	RM440070	100 tests
Fluorescein Conjugate	Product Number	RM440035	50 tests
Phycoerythrin Conjugate	Product No.	RM440075	50 tests

#### **ANTIGEN DISTRIBUTION AND SPECIFICITY:**

The CD44 or Pgp-1 Antigen is an adhesion marker of 80 to 95 kDa molecular weight. Originally described as a homing receptor, it is present on subpopulations of cells from lymphoid tissues, including bone marrow cells. High and low density expression of CD44 is observed on cells from bone marrow culture (Dexter and Whitlock-Witte cultures).

#### **CLONE:**

Rat monoclonal antibody clone 201.

Immunoglobulin chain composition: RAT IgG1, Kappa.

#### **CONJUGATION:**

Fluorescein isothiocyanate; Biotin ester; R-Phycoerythrin.

#### **HANDLING AND STORAGE:**

All forms of this monoclonal antibody are supplied as 1.0 mL of ready to use liquid. Fluorochrome conjugates should be protected from prolonged exposure to light. These reagents are in a medium containing 0.01M phosphate-buffered saline, 0.2% gelatin and 0.1% sodium azide. All reagents in a liquid state should be stored at 2-8° C when not in use.

**PRODUCT USE:**

For flow cytometry **use 10uL per test**. For immunohistochemistry, use enough diluted reagent to cover the tissue section or cytoprep. Working dilution should be optimized, suggested range is 1:20- 1:80.

**RESEARCH APPLICATIONS:**

Identification of CD44 bearing cells in Mouse bone marrow and lymphoid tissue.

Studies of cell adhesion and lymphopoiesis in murine model.

Immunohistochemistry and flow cytometry.

**CAUTION:**

Reagents contain sodium azide, a preservative which may react with lead joints in copper drain lines to form explosive compounds. Even though reagents contain minute quantities of sodium azide, drains should be thoroughly flushed with water when reagents are discarded.

**WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

**FOR RESEARCH USE ONLY.  
NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.**