

## PRODUCT INFORMATION SUMMARY

### ANTI-Human CD44 (HCAM)

Purified Antibody	Product Number	M440022	0.1mg
Fluorescein Conjugate	Product Number	M440030	100 tests

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

Human CD44 or Homing Cellular Adhesion Molecule is a transmembrane glycoprotein with a molecular weight of 80-85 kDa. CD44 is also known as Pgp-1 and may have a role in the homing of lymphocytes to specific lymphoid organs. It is expressed on many cell types including macrophages, granulocytes, fibroblasts and epithelial cells. CD44 has been shown to be involved with T cell and B cell adhesion, signal transduction, and bind certain extracellular matrix molecules such as collagen and hyaluronic acid.

**CLONE:** F10 ; Immunoglobulin chain composition: Mouse IgG2a.

**CONJUGATION:** Fluorescein isothiocyanate;

#### HANDLING AND STORAGE:

All forms of this monoclonal antibody are supplied as 1.0 mL of ready to use liquid. Fluorescein conjugated antibody 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:**

Flow Cytometry, Immunoprecipitation, Cryostat tissue staining,  
and **Paraffin-embedded** tissue staining.

**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.**

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