

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

ANTI-Human CD44 (HCAM)

Purified Antibody	Product Number	RH440020	0.1mg
Fluorescein Conjugate	Product Number	RH440030	100 tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

Human CD44 or Homing Cellular Adhesion Molecule is a transmembrane glycoprotein with a molecular weight of 85-95 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: **Mouse** monoclonal antibody, clone F10 was produced using purified human blood lymphocyte CD44. 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 10-20uL 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. Observed to react in frozen and paraffin tissue.

Reactive in Western Blot.

X-Reactivity: Cyno Monkey

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

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