

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

HCAM Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 42008 (clone F10-44-2)

Size: 100 ug Protein G-purified antibody in phosphate-buffered saline, pH 7.4.

SPECIFICATION SUMMARY

Antigen: CD44-positive cells.

Host Species: Mouse

Antibody Class: IgG2a

Stabilizers: None

Preservatives: 0.1% sodium azide

SPECIFICITY

This antibody recognizes CD44-positive cells. CD44 is a type 1 transmembrane glycoprotein also known as Phagocytic Glycoprotein-1 (pgp-1) and HCAM. HCAM is the receptor for hyaluronate and exists as a large number of different isoforms due to alternative RNA splicing. The major isoform expressed on lymphocytes, myeloid cells, and erythrocytes is a glycosylated type 1 transmembrane protein. Other isoforms contain glycosaminoglycans and are expressed on hematopoietic and non-hematopoietic cells. HCAM is involved in adhesion of leukocytes to endothelial

cells, stromal cells, and the extracellular matrix.

APPLICATIONS

Flow cytometry: use at 0.5-1 ug/10⁶ cells.

Immunohistochemistry: use at 0.5-2 ug/ml.

Immunoprecipitation: use at 0.5-2 ug/ml.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.