

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

VCAM-1 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 42005 (clone 1.G1b1)

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

SPECIFICATION SUMMARY

Antigen: CD106-positive cells.

Host Species: Mouse

Antibody Class: IgG1

Stabilizers: None

Preservatives: 0.1% sodium azide

SPECIFICITY

This antibody recognizes CD106-positive cells. CD106 is a member of the immunoglobulin superfamily of cell surface receptors. It is also known as VCAM-1 and INCAM-110. It is expressed primarily on cytokine-activated vascular endothelial cells but has also been identified on interfollicular dendritic cells, macrophages and bone marrow stromal cells. VCAM-1 binds the integrins $\alpha 4\beta 1$ (VLA-4) and $\alpha 4\beta 7$ and contributes to extravasation of lymphocytes, monocytes, basophils and eosinophils from blood vessels.

APPLICATIONS

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

Immunohistochemistry: use at 0.5-2 ug/ml

ELISA: 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.