

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Integrin α V Chain Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 42018 (clone 13C2)

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

SPECIFICATION SUMMARY

Antigen: CD51-positive cells.

Host Species: Mouse

Antibody Class: IgG1

Stabilizers: None

Preservatives: 0.1% sodium azide

SPECIFICITY

This antibody recognizes CD51-positive cells. CD51, also known as integrin α V chain interacts with the integrin β 3 subunit/CD61 to form the α V β 3 heterodimer/vitronectin receptor. It is expressed on endothelial cells, some activated leukocytes, NK cells, macrophages, neutrophils, and platelets. Integrin α V also forms heterodimers with the integrin β 1, β 5, β 6, and β 8 subunits. α V β 3 is an activation-dependent receptor for platelet attachment and spreading on vitronectin and other matrix components.

It also mediates leukocyte-endothelial cell adhesion through its interaction with CD31.

APPLICATIONS

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

Affinity purification: use at 2 mg/ml Sepharose 4B.

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.