V-CAM-1. Mouse, Clone 1G11.B1 Monoclonal Antibody, Human

CD106

Background

It recognizes an integral membrane glycoprotein of 110kDa, identified as vascular cell adhesion molecule (VCAM-1). VCAM-1 is distributed across non-leukocyte and leukocyte cells. Its expression is reportedly correlated with adhesion of melanoma, Burkitt's lymphoma, osteosarcoma, and kidney carcinoma but not colon carcinoma cells to endothelial cells which may determine the site of tumor metastasis.

Ordering Information

Catalog Number
X1473M

Size
100 µg

Form
Purified

Host/Clone
Mouse, Clone 1G11.B1

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
1 mg/ml

Isotype
IgG1

Applications
Flow Cytometry Staining
Frozen Section Staining
Immunoprecipitation
Western Blotting

Immunogen

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with stimulated HUVEC cells and mouse myeloma p3-NS-1/Ag4-1 cells.

Species Reactivity

Human

Comments

This antibody can be used for flow cytometry (0.5 µg unconjugated Ab/10^6 cells), immunohistochemistry on frozen tissues, immunoprecipitation (2 µg/mg of protein lysate) and Western blotting (1 µg/ml). Optimal concentration should be evaluated by serial dilutions.

Storage Customer

Product should be stored at -20 degrees C. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

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POSITIVE CONTROL

Endothelial cells in tonsil

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

REFERENCES

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3. Belmont HM; et al. Up-regulation of endothelial cell adhesion molecules characterizes disease activity in systemic lupus erythematosus. The Shwartzman phenomenon revisited. Arthritis and Rheumatism, 1994, 37(3):376-83.

4. Burrows TD; et al. Expression of adhesion molecules by endovascular trophoblast and decidual endothelial cells: implications for vascular invasion during implantation. Placenta, 1994, 15:21-33.

5. Coleman N; Stanley MA. Characterization and functional analysis of the expression of vascular adhesion molecules in human papillomavirus-related disease of the cervix. Cancer, 1994, 74(3):884-92.

6. Cunningham AC; et al. Constitutive expression of MHC and adhesion molecules by alveolar epithelial cells (type II pneumocytes) isolated from human lung and comparison with immunocytochemical findings. Journal of Cell Science, 1994, 107:443-9.

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