

Alpha-4 Integrin Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251867

Unit: 0.1 mg

Description:

Integrin alpha-4 (CD49d) is a receptor for fibronectin. Integrin alpha-4 recognizes one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. Integrin alpha-4 is also a receptor for VCAM1, recognizing the sequence Q-I-D-S in VCAM1, and a receptor for MADCAM1, recognizing the sequence L-D-T in MADCAM1. On activated endothelial cells, integrin alpha-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines, and also participates in cytolytic T-cell interactions with target cells.

Isotype: Rabbit Ig

Applications: E, WB, IHC, ICC

Species Reactivity: H, M, R

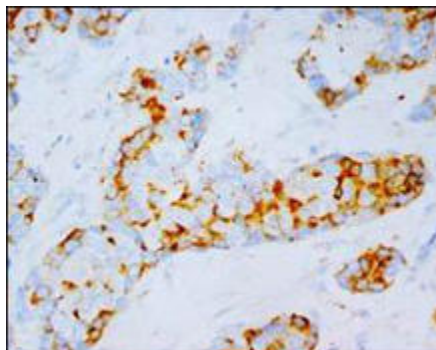
Format: Each vial contains 0.1 mg IgG in 0.5 ml (0.2 mg/ml) of PBS pH7.4, 50% glycerol. Antibody was purified by immunogen-affinity chromatography.

Alternate Names: Integrin alpha-4; Integrin alpha-IV; VLA-4 subunit alpha; CD49 antigen-like family member D; CD49d; ITGA4; CD49D

Accession No.: P13612

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human integrin alpha-4.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:200; ICC: 1:50-1:100, in acetone fixed cells, antigen retrieval with pepsin and trypsin is recommended.



Integrin alpha-4 staining in human mammary cancer. Paraffin-embedded human mammary cancer is stained with Alpha-4 Integrin Antibody (Cat. No. 251867) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.