Integrin alpha 4 Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253938
Unit: 0.1 mg

Description:
The integrin alpha 4 (also known as CD49d and ITGA4) belongs to the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha and beta chains. Alpha4 chain associates with either beta1 or beta7 chain. It has been demonstrated that the putative ligand-binding sites of both integrin alpha4beta1 and alpha4beta7 is located on the alpha4 chain. These ligands included Madcam, VCAM, and fibronectin. Madcam is known as the principal ligand for integrin alpha4beta7. Recently it was also demonstrated that HIV-1 envelope can mimic Madcam by binding to and signaling though integrin alpha4beta7, the gut mucosal homing receptor for peripheral T cells. Despite its predicted molecular weight, Integrin alpha4 will often run at higher molecular weight in SDS-PAGE. At least two isoforms are known to exist. The immunogen to this antibody is outside of the Integrin alpha4 recombinant protein fragment and thus will not recognize it.

Isotype: Rabbit Ig
Applications: E, WB
Species Reactivity: H, M, R
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Integrin alpha 4 ; CD49d; ITGA4; IA4; alpha 4 subunit of VLA-4 receptor
Accession No.: P13612

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Integrin alpha 4.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

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.