

Integrin alpha 4 Antibody

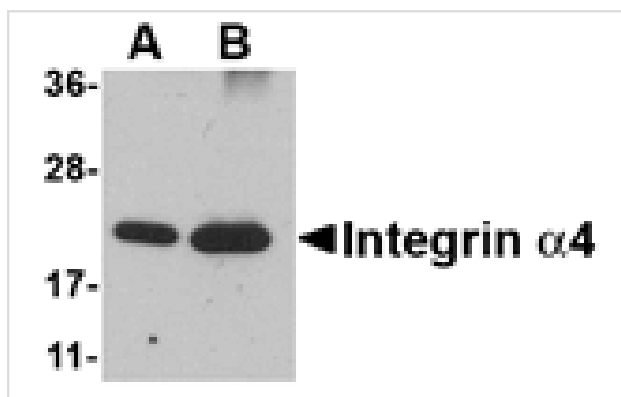
Catalog No: #24765

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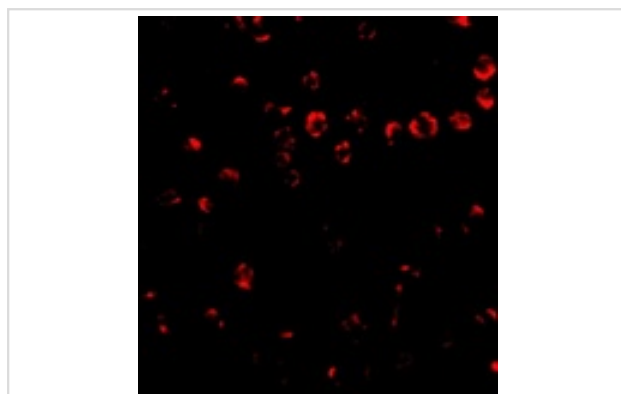
Description

Product Name	Integrin alpha 4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human Integrin alpha 4.
Target Name	Integrin alpha 4
Other Names	CD49d, ITGA4, IA4, alpha 4 subunit of VLA-4 receptor
Accession No.	P13612
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Integrin alpha 4 using (A) 25 and (B) 100 ng of recombinant Integrin alpha 4 with Integrin alpha 4 antibody at 1 ug/mL.



Immunofluorescence of Integrin alpha 4 in Jurkat cells with Integrin alpha 4 antibody at 2 ug/mL.

Background

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 through integrin alpha4beta1, the gut mucosal homing receptor for peripheral T cells. At least two isoforms are known to exist.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.