

Rabbit Integrin alpha 4 Polyclonal Antibody | anti-ITGA4 antibody

Integrin alpha 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40367	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

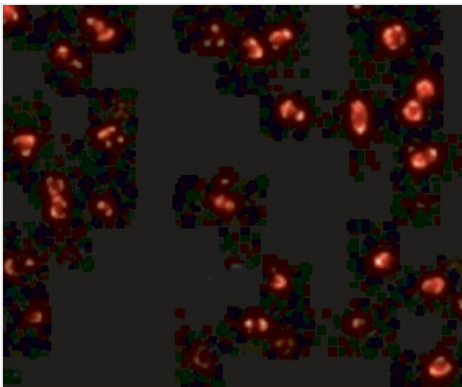
PRODUCT SYNONYMS

Integrin alpha 4; Polyclonal Antibody; Integrin alpha 4 Antibody; IA4; CD49D; Integrin alpha-4; CD49 antigen-like family member D; integrin; alpha 4 (antigen CD49D; alpha 4 subunit of VLA-4 receptor); anti-ITGA4 antibody

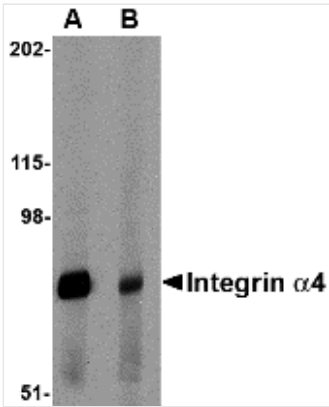
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms are known to exist. The immunogen to this antibody is within the Integrin alpha4 recombinant protein fragment and thus will recognize it.
Purity/Purification	Integrin alpha 4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1032
Applicable Applications for anti-ITGA4 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Integrin alpha 4 antibody was raised against a 15 amino acid synthetic peptide from near the center of human Integrin alpha 4.
Buffer	Integrin alpha 4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Integrin alpha 4 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of Integrin alpha 4 in Jurkat cells with Integrin alpha 4 antibody at 2 μg/mL.



WB (Western Blot)
Western blot analysis of Integrin alpha 4 in rat spleen tissue lysate with Integrin alpha 4 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA4 antibody	Integrin alpha 4 Antibody: 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 alpha4beta7, the gut mucosal homing receptor for peripheral T cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67191027
NCBI GeneID	3676
NCBI Accession #	NP_000876
NCBI GenBank Nucleotide #	NM_000885.4
UniProt Accession #	P13612; Q7Z4L6; D3DPG4; AAB25486
Molecular Weight	21,536 Da
NCBI Official Full Name	integrin alpha-4
NCBI Official Synonym Full Names	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
NCBI Official Symbol	ITGA4
NCBI Official Synonym Symbols	IA4; CD49D
NCBI Protein Information	integrin alpha-4; 269C wild type; integrin alpha 4; integrin alpha-IV; VLA-4 subunit alpha; integrin alpha-4 subunit; CD49 antigen-like family member D; antigen CD49D, alpha-4 subunit of VLA-4 receptor; very late activation protein 4 receptor, alpha 4 subunit
UniProt Protein Name	Integrin alpha-4
UniProt Gene Name	ITGA4
UniProt Synonym Gene Names	CD49D
UniProt Entry Name	ITA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/integrin-alpha-4-antibody-immunofluorescence-western-blot-elisa/40367>