

Integrin alpha 4 Recombinant Protein | ITGA4 recombinant protein

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CATALOG #
AAA40474

APPLICATIONS
Western Blot, ELISA

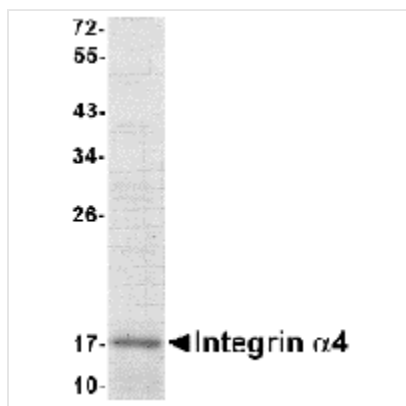
PRODUCT SYNONYMS

Integrin alpha 4; Integrin alpha 4 Recombinant Protein; IA4; CD49D; Integrin alpha-4; CD49 antigen-like family member D; integrin; alpha 4 (antigen CD49D; alpha 4 subunit of VLA-4 receptor); ITGA4 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	~95%
Form/Format	Liquid
Sequence	aa 131-275
Sequence Length	1032
Applicable Applications for ITGA4 recombinant protein	WB (Western Blot), ELISA
Source	E Coli
Buffer	50mM Tris pH7.5, 150mM NaCl, 5 mM MgCl ₂
Fusion Tag	Fusion Partner: N-terminal His-tag
Preparation and Storage	Store in working aliquots at -70 degree C. Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature. Shipping: Dry Ice.

IMAGES



SDS-PAGE

SDS-PAGE analysis of recombinant Integrin alpha 4 fragment on Coomassie Blue-stained 4-20% gradient gel.

ADDITIONAL INFORMATION

Related Product Information for ITGA4 recombinant protein	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 (reviewed in 1). Alpha 4(4) chain associates with either beta 1(1) or beta 7 7) chain. It has been demonstrated that the putative ligand-binding sites of both integrin 41 and 47 is located on the 4 chain. These ligands included Madcam, VCAM, and fibronectin (2-4). Madcam is known as the principal ligand for integrin a4b7. Recently it was also demonstrated that HIV-1 envelope can mimic Madcam by binding to and signaling through integrin 47, the gut mucosal homing receptor for peripheral T cells 5). This recombinant protein fragment includes the ligand and monoclonal antibody binding domains; this binding has been tested and verified in ELISA assays. This recombinant protein is recognized by PSI antibodies Integrin 4(IN1) PSI 4827) and Integrin 4(IN2)(PSI 4837), but not Integrin 4(CT)(PSI 4783).
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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	17 kDa (Calculated)
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/itga4-recombinant-protein-wb-western-blot-elisa/40474>