

Recombinant Human ITGA4 & ITGB7 protein, His-Avi-tagged, Biotinylated

Cat. No. ITGA4 & ITGB7-163H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ITGA4 & ITGB7 protein(P13612-1(ITGA4)&P26010-1(ITGB7))(Tyr34-Thr977(ITGA4) & Glu20-His723(ITGB7)) is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
Species	Human
Source	HEK293
ProteinLength	34-977aa (ITGA4) & 20-723aa (ITGB7)
Conjugation/Label	Biotin
Form	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Biotinylated Human ITGA4&ITGB7, His-Avi Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-ITGA4 Antibody, hFc Tag with the EC50 of 2.6ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 112.5 kDa (ITGA4) and 81.3 kDa (ITGB7). Due to glycosylation, the protein migrates to 68-72 kDa, 78-83 kDa, 110-120 kDa and 130-150 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% as determined by Bis-Tris PAGE
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ITGA4 integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) [Homo sapiens]
Official Symbol	ITGA4
Synonyms	ITGA4; integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor); CD49D; integrin alpha-4; CD49d; 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; IA4; MGC90518;
Gene ID	3676
mRNA Refseq	NM_000885
Protein Refseq	NP_000876
MIM	192975

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P13612
Gene Name 2	ITGB7 integrin, beta 7 [Homo sapiens]
Official Symbol 2	ITGB7
Synonyms 2	ITGB7; integrin, beta 7; integrin beta-7; integrin beta 7 subunit; gut homing receptor beta subunit;
Gene ID 2	3695
mRNA Refseq 2	NM_000889
Protein Refseq 2	NP_000880
MIM 2	147559
UniProt ID 2	P26010

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA