

Active Recombinant Human ITGA5 & ITGB1 Heterodimer protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. ITGA5 & ITGB1-1877H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ITGA5 & ITGB1 protein(P08648(ITGA5) & P05556-1(ITGB1))(42-995 aa(ITGA5) & 21-728 aa(ITGB1)), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	42-995 aa(ITGA5) & 21-728 aa(ITGB1)
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human ITGA5&ITGB1, His-Avi Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-ITGA5&ITGB1 Antibody, hFc Tag with the EC50 of 30.7ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 111.8 kDa (ITGA5) & 83.2 kDa (ITGB1). Due to glycosylation, the protein migrates to 110-140 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.

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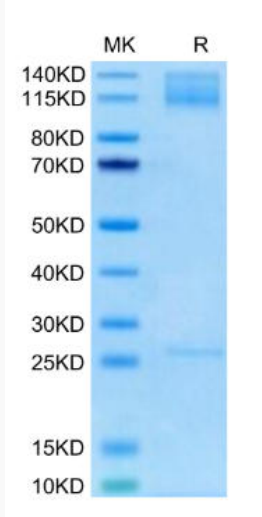
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Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens]
Official Symbol	ITGA5
Synonyms	ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;
Gene ID	3678
mRNA Refseq	NM_002205
Protein Refseq	NP_002196
MIM	135620
UniProt ID	P08648
Gene Name 2	ITGB1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) [Homo sapiens]

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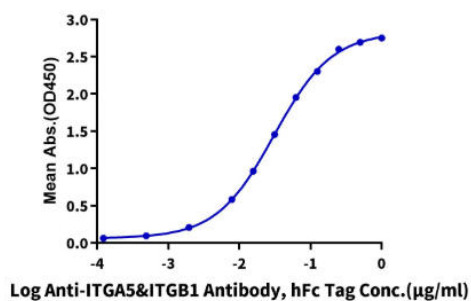
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Official Symbol 2	ITGB1
Synonyms 2	ITGB1; integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12); FNRB, MDF2, MSK12; integrin beta-1; CD29; GPIIA; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide; FNRB; MDF2; VLAB; MSK12; VLA-BETA;
Gene ID 2	3688
mRNA Refseq 2	NM_002211
Protein Refseq 2	NP_002202
MIM 2	135630
UniProt ID 2	P05556
Bis-Tris PAGE	

ELISA Data

Biotinylated Human ITGA5&ITGB1, His-Avi Tag ELISA

0.05µg Biotinylated Human ITGA5&ITGB1, His-Avi Tag Per Well



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