Active Recombinant Human ITGA2&ITGB1

Cat. No. ITGA2&ITGB1-738H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA2&ITGB1 (Accession # NP_002194 (Integrin alpha 2) & P05556 (Integrin beta 1)) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
Predicted N Terminal	Tyr30 (alpha 2) & No results obtained, Gln21 predicted (beta 1)
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.When bovine collagen-II is coated at 10 μg/mL, Recombinant Human Integrin alpha 2 beta 1 binds with an apparent KD <1nM.
Molecular Mass	Recombinant Human ITGA2&ITGB1 has a calculated MW of 126 kDa (alpha 2) & 83.3 kDa (beta 1). In SDS-PAGE migrates as 140-150 kDa (alpha 2) & 120-130 kDa (beta 1), reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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

GENE INFORMATION

Gene Name	ITGA2 integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) [Homo sapiens]
Official Symbol	ITGA2
Synonyms	ITGA2; integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); CD49B; integrin alpha-2; CD49b; integrin alpha 2; collagen receptor; VLA-2 subunit alpha; platelet antigen Br; platelet glycoprotein Ia; platelet glycoprotein GPIa; CD49 antigen-like family member B; platelet membrane glycoprotein Ia; very late activation protein 2 receptor, alpha-2 subunit; BR; GPIa; VLA-2; VLAA2; BDPLT9;
Gene ID	3673
mRNA Refseq	NM_002203
Protein Refseq	NP_002194
MIM	192974
UniProt ID	P17301
Chromosome Location	5q11.2

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