Active Recombinant Mouse Itga4/Itgb7 protein

Cat. No. Itga4/Itgb7-357M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itga4(Tyr34-Gln970)/Itgb7(Glu20-Arg724) was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	34-970;20-724 a.a.
Predicted N Terminal	Tyr34 (Integrin alpha 4), Glu20 (Integrin beta 7)
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of CHO Chinese hamster ovary cells transfected with VCAM-1. The ED50 for this effect is typically 0.6-3.6 ug/mL.
Molecular Mass	Predicted Molecular Mass: 113 (Integrin alpha 4), 84 (Integrin beta 7) kDa;SDS-PAGE: 115 - 170 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining.
Stability	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70

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	centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 200 ug/mL in PBS.

GENE INFORMATION

Gene Name	Itga4 integrin alpha 4 [Mus musculus]
Official Symbol	Itga4
Synonyms	ITGA4; integrin alpha 4; integrin alpha-4; integrin alpha-IV; LPAM subunit alpha; VLA-4 subunit alpha; VLA-4 receptor, alpha 4 subunit; CD49 antigen-like family member D; lymphocyte Peyer patch adhesion molecules subunit alpha; CD49D;
Gene ID	16401
mRNA Refseq	NM_010576
Protein Refseq	NP_034706
MIM	
UniProt ID	Q00651
Chromosome Location	2 C3; 2 47.38 Cm
Pathway	Adaptive Immune System, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cell adhesion

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	molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem;
Function	fibronectin binding; receptor activity;

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