

Active Recombinant Mouse Itga4&Itgb1

Cat. No. Itga4&Itgb1-347M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itga4&Itgb1 (Accession # AAH68313 (Integrin alpha 4) & P09055 (Integrin beta 1)) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
Predicted N Terminal	Tyr34 (Integrin alpha 4) & No results obtained: Gln21 predicted (Integrin beta 1)
Form	Lyophilized from a 0.2 µ 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. When 5×10^4 cells/well are added to Recombinant Mouse Integrin alpha 4 beta 1 coated plates (10 µg/mL, 100 µL/well), approximately 55-85% will adhere after 1 hour at 37 °C. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Mouse Itga4&Itgb1 has a calculated MW of 112.9 kDa (Integrin alpha 4) & 86.4 kDa (Integrin beta 1). In SDS-PAGE migrates as 145-160 kDa and 120-140 kDa, 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

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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

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