

Active Recombinant Canine ITGA11&ITGB1 protein, His-tagged

Cat. No. ITGA11&ITGB1-0203C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine ITGA11&ITGB1 protein(Asp21-Pro1142(ITGA11)&Asp23-Asp728(ITGB1)), fused with His tag, was expressed in HEK293.
Species	Canine
Source	HEK293
ProteinLength	21-1142;23-728 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris,150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Native Human Collagen I protein at 10 µg/mL (100 µL/well) can bind Canine ITGA11&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.078-5 µg/mL.Immobilized Native Human Collagen IV Protein at 10 µg/mL (100 µL/well) can bind Canine ITGA11&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.01-0.313 µg/mL.
Molecular Mass	Subunit ITGA1 is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB1 contains no tag but a basic tail at the C-terminus.
Proteinlength	Asp21-Pro1142(ITGA11)&Asp23-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU per

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µg by the LAL method.

Purity >90% as determined by SDS-PAGE.

Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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.

GENE INFORMATION

Official Symbol ITGA11

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