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Datasheet for ABIN6253569

ITGA4/ITGB7 Protein (AA 34-977) (His tag)**2** Images

Overview

Quantity:	100 µg
Target:	ITGA4/ITGB7 (ITGA4 / ITGB7)
Protein Characteristics:	AA 34-977
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ITGA4/ITGB7 protein is labelled with His tag.

Product Details

Sequence:	AA 34-977
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ITGA4/ITGB7 (ITGA4 / ITGB7)
Alternative Name:	Integrin alpha 4 beta 7 (ITGA4 / ITGB7 Products)
Background:	Integrin alpha 4 beta 7 is an integrin family adhesion receptor that shares subunits with alpha 4 beta 1 (VLA4) and the E-Cadherin receptor, alpha E beta 7 . Integrin alpha 4 beta 7, which is critical for homing to intestinal mucosa, is induced during T cell activation in Peyer's patches or mesenteric lymph nodes. Its expression requires signals from local dendritic and stromal cells,

Target Details

including secreted retinoic acid. The HIV-1 envelope protein gp120 binds to the active form of Integrin alpha 4 beta 7, and this may or may not account for the concentration of HIV-1 virus in the gut-associated lymphoid tissue (GALT). Integrin alpha 4 beta 7 may also be involved in lymphocyte trafficking in acute intestinal graft vs. host disease (GVHD).

Molecular Weight: 111.4 kDa (ITGA4) & 81.8 kDa (ITGB7)

Application Details

Restrictions: For Research Use only

Handling

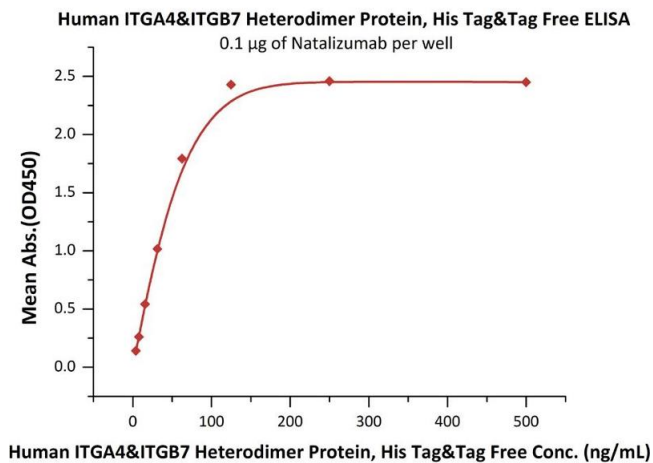
Format: Lyophilized

Buffer: 50 mM Tris, 100 mM NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

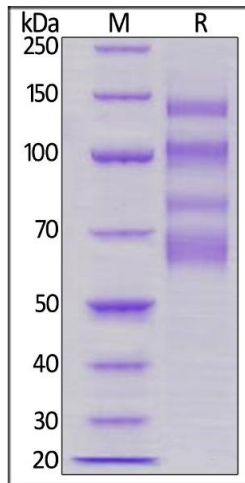
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Natalizumab at 1 µg/mL (100 µL/well) can bind Human ITGA4&ITGB7 Heterodimer Protein, His Tag&Tag Free (ABIN5954916, ABIN6253569) with a linear range of 4-63 ng/mL (QC tested).



SDS-PAGE

Image 2. Human ITGA4&ITGB7 Heterodimer Protein, His Tag&Tag Free on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .