

Integrin alpha 4 beta 7 Recombinant Protein | ITGA4&ITGB7 recombinant protein

Recombinant Human Integrin alpha 4 beta 7 Protein (His Tag)

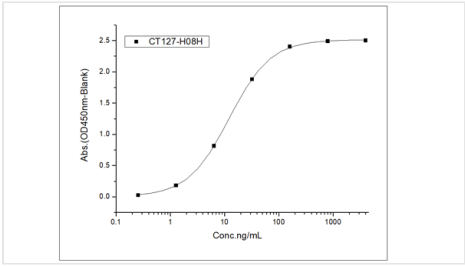
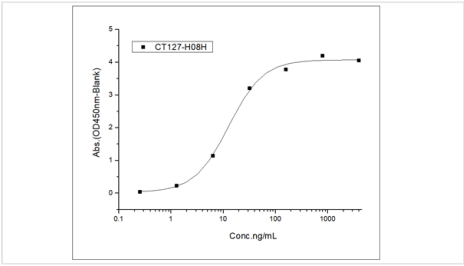
CATALOG # AAA259394	HOST HEK293 Cells	REACTIVITY Human
-------------------------------	-----------------------------	----------------------------

PRODUCT SYNONYMS

Integrin alpha 4 beta 7; Recombinant Human Integrin alpha 4 beta 7 Protein (His Tag); Human Integrin alpha 4 beta 7 Heterodimer Protein (His Tag); ITGA4&ITGB7 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 95% as determined by SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Tyr34-Thr9 77&Glu20-H is723
Tag	C-His
Predicted N Terminal	Tyr34 & Glu20
Endotoxin	< 1.0 EU perug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human ITGA4 (P13612-1)(Tyr34-Thr977) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the Human ITGB7 (P26010-1)(Glu20-His723) was expressed, constructed the plasmid 2. The two plasmids were co-expressed and the Human Integrin alpha 4 beta 7 Heterodimer was purified.
Activity	1. Immobilized Recombinant Human Integrin alpha 4 beta 7 Heterodimer Protein (His Tag) at 2ug/mL (100uL/well) can bind Anti-Integrin alpha4beta1 Antibody, Human IgG4 (natalizumab), the EC50 is 6-18ng/mL (Rountinely tested). 2. Immobilized Anti-Integrin alpha4beta7 Antibody, Human IgG1 (Vedolizumab) at 2ug/mL (100uL/well) can bind Recombinant Human Integrin alpha 4 beta 7 Heterodimer Protein (DYKDDDDK & His Tag), the EC50 is 8-25ng/mL (QC tested).
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

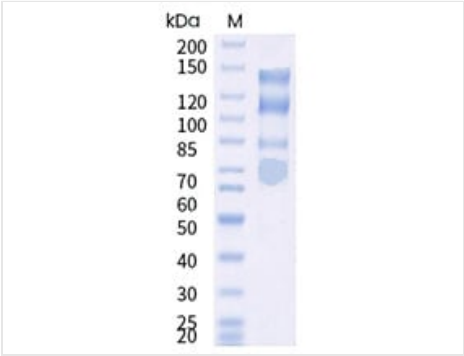


Application Data

Immobilized Anti-Integrin alpha4beta7 Antibody, Human IgG1 (Vedolizumab) at 2ug/mL (100uL/well) can bind Recombinant Human Integrin alpha 4 beta 7 Heterodimer Protein (DYKDDDK & His Tag)(#AAA259394), the EC50is 8-25ng/mL (QC tested).

Application Data

Immobilized Recombinant Human Integrin alpha 4 beta 7 Heterodimer Protein (His Tag)(#AAA259394) at 2ug/mL (100uL/well) can bind Anti-Integrin alpha4beta1 Antibody, Human IgG4 (natalizumab), the EC50 is 6-18ng/mL (Routinely tested).



Application Data

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033436
NCBI GeneID	3676
UniProt Accession #	P13612; Q7Z4L6; D3DPG4; AAB25486
Molecular Weight	1032
NCBI Official Full Name	Integrin alpha-4
NCBI Official Synonym Full Names	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
NCBI Official Symbol	ITGA4
NCBI Official Synonym Symbols	IA4; CD49D
NCBI Protein Information	integrin alpha-4; 269C wild type; integrin alpha 4; integrin alpha-IV; VLA-4 subunit alpha; integrin alpha-4 subunit; CD49 antigen-like family member D; antigen CD49D, alpha-4 subunit of VLA-4 receptor; very late activation protein 4 receptor, alpha 4 sub
UniProt Protein Name	Integrin alpha-4
UniProt Gene Name	ITGA4
UniProt Synonym Gene Names	CD49D
UniProt Entry Name	ITA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.