

Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Recombinant Protein | ITGA5&ITGB1 recombinant protein

Biotinylated Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein Recombinant

CATALOG #	HOST
AAA76139	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

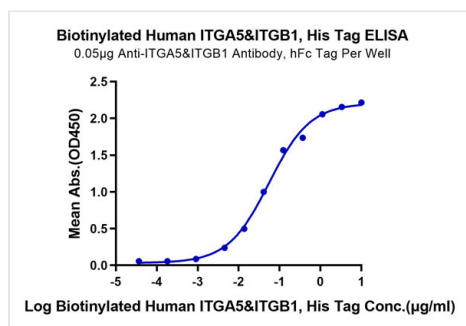
PRODUCT SYNONYMS

Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer; Biotinylated Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein Recombinant; ITGA5&ITGB1 recombinant protein

PRODUCT SPECIFICATIONS

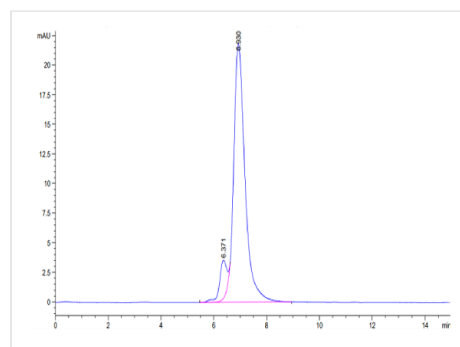
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer including a C-His-Avi tag was expressed in HEK293 Cells.The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



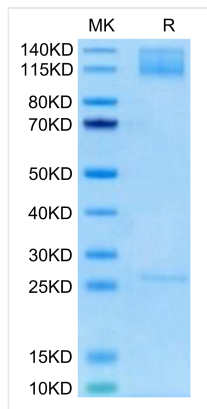
ELISA

Biotinylated Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein ELISA Data: Immobilized 0.5µg Anti-ITGA5&ITGB1 Antibody, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human ITGA5&ITGB1, His Tag with the EC50 of 55.3ng/ml determined by ELISA.



Application Data

Biotinylated Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein SEC-HPLC: The purity of Biotinylated Human ITGA5&ITGB1 is greater than 90% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein Tris-Bis PAGE Biotinylated Human ITGA5&ITGB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for ITGA5&ITGB1 recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56237029
NCBI GeneID	3678
NCBI Accession #	NP_002196.2
NCBI GenBank Nucleotide #	NM_002205.2
UniProt Accession #	P08648; O14786 NRP1_HUMAN; P05556 ITB1_HUMAN
Molecular Weight	114,536 Da
NCBI Official Full Name	integrin alpha-5
NCBI Official Synonym Full Names	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
NCBI Official Symbol	ITGA5
NCBI Official Synonym Symbols	FNRA; CD49e; VLA5A
NCBI Protein Information	integrin alpha-5; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit
UniProt Protein Name	Integrin alpha-5
UniProt Gene Name	ITGA5
UniProt Synonym Gene Names	FNRA
UniProt Entry Name	ITA5_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.