



Certificate of Analysis

Integrin alpha 5 beta 1 Protein, Human (HEK293, Flag-His)

Cat. No.: HY-P73872
Batch No.: 269302
Species: Human
Source: HEK293
Tag: C-Flag;C-10*His
Accession: P08648 (F42-Y995) & P05556-1 (Q21-D728)
Gene ID: 3678&3688
Molecular Weight: Approximately 101.35 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Immobilized Fibronectin at 2 μg/mL (100 μL/well) can bind Biotinylated Integrin alpha 5 beta 1 protein. The ED ₅₀ for this effect is 2.49 ng/mL, corresponding to a specific activity is 4.02×10 ⁵ Unit/mg.	2.49 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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