



Certificate of Analysis

Fc gamma RIIIA/CD16a Protein, Human (F176V, HEK293, SUMO-His)

Cat. No.:	HY-P78676
Batch No.:	272750
Species:	Human
Source:	HEK293
Tag:	C-His;N-SUMO
Accession:	P08637 (G17-Q208, F176V)
Gene ID:	2214
Molecular Weight:	42-65 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	Measured by its binding ability in a functional ELISA. Immobilized Human Fcγ RIIIA / CD16a recombinant protein at 2 μg/mL (100 μL/well) can bind Human IgG1. The ED ₅₀ for this effect is 93.49 ng/mL, corresponding to a specific activity is 1.070×10 ⁴ Unit/mg.	93.49 ng/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. 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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