



Certificate of Analysis

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

Cat. No.: HY-P75209
Batch No.: 230294
Species: Human
Source: HEK293
Tag: C-His
Accession: P08637 (G17-Q208, F176V)
Gene ID: 2214
Molecular Weight: Approximately 44.2 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.10%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Using the Octet RED System, the affinity constant (Kd) of CD16a bound to human IgG1 was 80 nM. Immobilized human CD16a-His at 2 μg/mL (100 μL/well) can bind human IgG1 and the EC ₅₀ is 150-450 ng/mL.	PASS
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 for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). 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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