



Certificate of Analysis

CD58 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P75392
Batch No.:	438771
Species:	Human
Source:	HEK293
Tag:	C-hFc
Accession:	Q9BRW0 (F29-R215)
Gene ID:	965
Molecular Weight:	Approximately 68 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.	PASS
Biological Activity	<p>1. Measured by its binding ability in a functional ELISA. Immobilized human CD2-His at 10 μg/mL (100 μl/well) can bind human CD58-Fc, The EC₅₀ of human CD58-Fc is 0.04-0.1 μg/mL.</p> <p>2. Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus CD2-His at 10 μg/mL (100 μl/well) can bind human CD58-Fc, The EC₅₀ of human CD58-Fc is 0.04-0.10 μg/mL.</p> <p>3. Loaded Recombinant Human CD58/LFA-3 Protein, hFc Tag on ProA Biosensor, can bind Recombinant Human CD2 Protein, His Tag with an affinity constant of 1.36 μM as determined in BLI assay.</p>	<p>0.04-0.1 μg/mL (Test by method 1)</p> <p>0.04-0.1 μg/mL (Test by method 2)</p> <p>1.36 μM (Test by method 3)</p>
Appearance	Solution	
Concentration	0.70 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

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

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