



Certificate of Analysis

IgG1 Protein, Human (D239E, L241E, HEK293)

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|-------------------|----------------------------------|
| Cat. No.: | HY-P70796A |
| Batch No.: | 321610 |
| Species: | Human |
| Source: | HEK293 |
| Tag: | Tag Free |
| Accession: | P01857 (D104-K330, D239E, L241E) |
| Gene ID: | 3500 |
| Molecular Weight: | 32-34 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|-------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥98.0% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its binding ability in a functional ELISA. 2 μg/mL (100 μL/well) of immobilized Human IgG can bind Human CD64 with the ED50 is 30-150 ng/mL. | 30.48 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 (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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