

Recombinant Mouse IFN-gamma Protein

RPCB1158

Description

This high-purity Recombinant Mouse IFN-gamma Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU:	RPCB1158
Contents:	20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
Synonyms:	IFG, IFI, IFN gamma, Interferon Gamma, IFNG
Species:	Mouse
Gene ID:	15978
Expression Host:	HEK293 cells
Tags:	C-hFc&His
Calculated MW:	44.70 kDa
Observed MW:	55 kDa
Purification:	≥ 90 % as determined by SDS-PAGE, ≥ 90 % as determined by HPLC.
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Formulation:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.
Bio- Activity:	1. Measured by its binding ability in a functional ELISA. Immobilized recombinant Mouse IFNGR1 at 0.2 µg/mL (100 µL/well) can bind recombinant Mouse IFNG, the EC 50 of Mouse IFNG is 2.2 ng/mL.

Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited

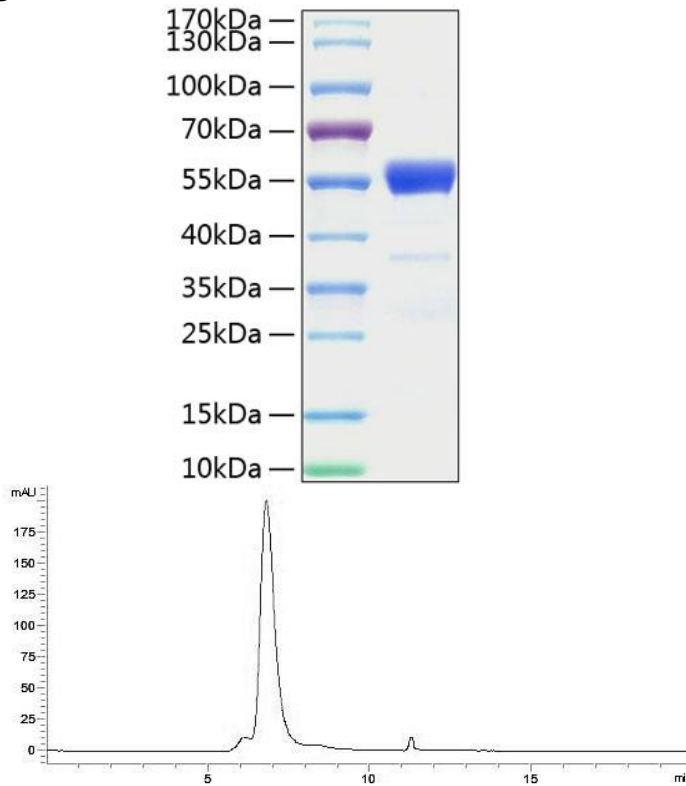
2. M0 macrophages(Catalog # RPCB0002) can be induced differentiation into M1 macrophages(CD86+CD206-) by Recombinant Mouse IFN-gamma Protein (50ng/mL) and LPS (100ng/mL).

Preparation & Storage

- Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
- Storage:** Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.
- Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
- Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

Validation Data

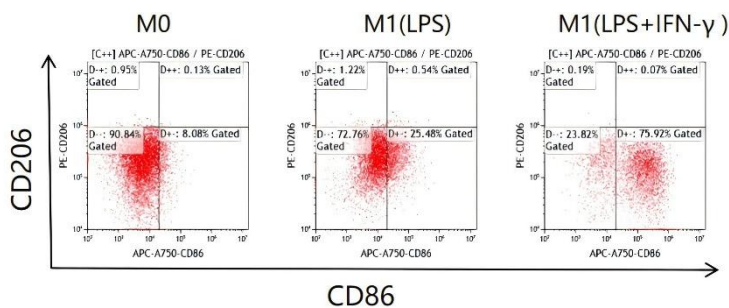
Image



Description

Recombinant Mouse IFN-gamma Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

The purity of Recombinant Mouse IFN-gamma Protein is greater than 90% as determined by SEC-HPLC.



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