

Recombinant Mouse IL-1 alpha Protein

RPCB1917

Description

This high-purity Recombinant Mouse IL-1 alpha 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:	RPCB1917
Contents:	10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
Synonyms:	Il1a , Interleukin-1 alpha, IL-1 alpha
Species:	Mouse
Gene ID:	16175
Expression Host:	E. coli
Tags:	NO-Tag
Calculated MW:	17.99 kDa
Observed MW:	15-25 kDa
Purification:	≥ 95 % as determined by SDS-PAGE, ≥ 95 % as determined by HPLC.
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio- Activity:	Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 for this effect is 3.075-12.3 pg/mL, corresponding to a specific activity of 8.13×10 ⁷ ~3.25×10 ⁸ units/mg.

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

Preparation & Storage

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

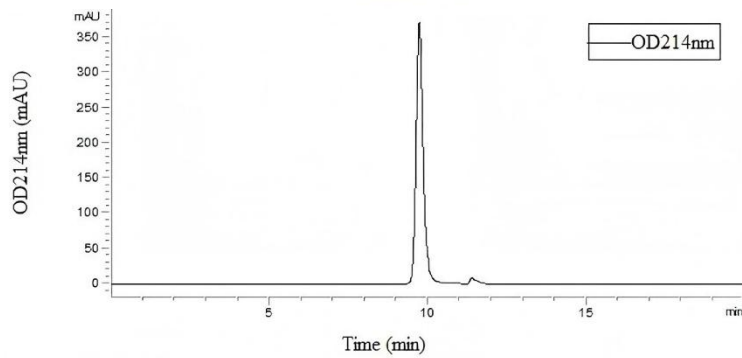
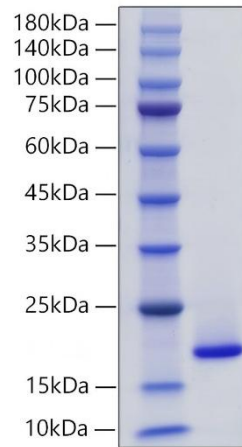
Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.

Reconstitution: Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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 IL-1 alpha Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

Recombinant Mouse IL-1 alpha Protein is greater than 95% as determined by SEC-HPLC.