

## Certificate of Analysis

**Product Name:** Recombinant Human DC cocktail

**Cat No:** HCT-G4-0100, HCT-G4-0500

**Lot No:** SI6007

**Size:** 100ml/vial, 1000ml/vial

**DC cocktail components:** The cocktail contained recombinant human GM-CSF and IL-4. The concentrations of both cytokines had been optimized for dendritic cell culture.

**Source:** Human cells derived

**Physical Appearance:** White freeze-dried powder

**Purity:** > 95% by SDS-PAGE

**Specific Activity:** The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).

**Endotoxin Level:** < 0.5EU/ug by LAL assay

**Purity Confirmation:** The protein was resolved by SDS-PAGE and the gel was stained with Comassie blue.

**Formulation:** Lyophilized in PBS without carrier protein.

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

**Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in 200ul sterile PBS or basic medium and add into appropriate volume of dendritic cell basic medium. The medium with DC cocktail supplement could be stored at 4°C for one month.

**Storage Condition:** Upon reconstitution, store at 2-8°C for up to one month under aseptic condition. For long term storage, aliquot and store at -80°C is recommended for retention of full activity. Avoid repeated freeze/thaw cycles.

### Authorization

Released by:  Date: 12/24/2018

### Limited Use and Restrictions

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