

IL-25/IL17E Protein, Cynomolgus, Recombinant (His)

General Information

Protein Construction:	Tyr33-Gly176
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	G7P9V9
Molecular Weight:	18.18 kDa (Predicted); 27-37 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Immobilized Cynomolgus IL-25, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-IL-25 Antibody, hFc Tag with the EC50 of 3.8 ng/ml determined by ELISA (QC Test).
Purity:	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Endotoxin:	< 0.1 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4).

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

IL-25, also known as IL-17E, is a member of the IL-17 cytokine family mostly produced by epithelial cells and innate immune cells. After binding to the IL-17RB/IL-17RA complex, IL-25 induces downstream signaling responses in epithelial cells and type 2 lymphocytes, which initiates, propagates, and sustains type 2 immunity. The function of IL-25 in allergic diseases such as asthma has been well established, and now also is extended to diseases such as inflammatory bowel disease and cancer.

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