# Cynomolgus IL-8/CXCL8 Protein

**Cat. No.** IL8-CM108

## Description

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| **Source** | Recombinant Cynomolgus IL-8/CXCL8 Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Ala23-Pro100. |
| **Accession** | A0A2K5TUL7 |
| **Molecular Weight** | The protein has a predicted MW of 10.12 kDa. Due to glycosylation, the protein migrates to 12-14 kDa based on Tris-Bis PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Tris-Bis PAGE |

## Formulation and Storage

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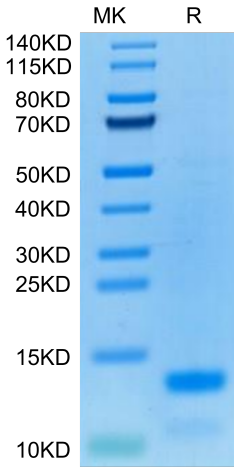
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Interleukin-8 (IL-8) has been revealed as a critical regulator of CNS function and development with participation in many CNS disorders including gliomas.Several promising approaches that target directly or indirectly IL-8 effects in gliomas are currently in progress while more-in-depth studies are needed to validate its biomarker role and elucidate the underlying molecular mechanisms.

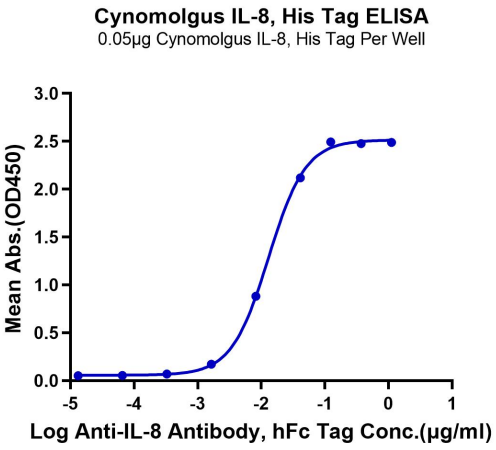
## Assay Data

### Tris-Bis PAGE




Cynomolgus IL-8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data




Immobilized Cynomolgus IL-8, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-IL-8 Antibody, hFc Tag with the EC50 of 13.0ng/ml determined by ELISA.