

Recombinant Rhesus macaque LEU3/CD4 Protein

Catalog No.: RP02632

Sequence Information

Species Gene ID

Rhesus macaque 713807

Swiss Prot Tags

G7N5T8 C-His

Synonyms

CD4 antigen (p55); CD4 molecule;
CD4 receptor; CD4; CD4mut; EU3

Product Information

Source Purification

HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW Observed MW

41.5 kDa 45-52 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Reconstitution

Centrifuge the tube 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.

Background

CD4, also known as L3T4, T4, and W3/25, is an approximately 55 kDa type I transmembrane glycoprotein that is expressed predominantly on thymocytes and a subset of mature T lymphocytes. It is a standard phenotype marker for the identification of T cell populations. Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex.

Basic Information

Description

Recombinant Rhesus macaque LEU3/CD4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys26-Trp390) of rhesus macaque LEU3/CD4 (Accession #G7N5T8) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

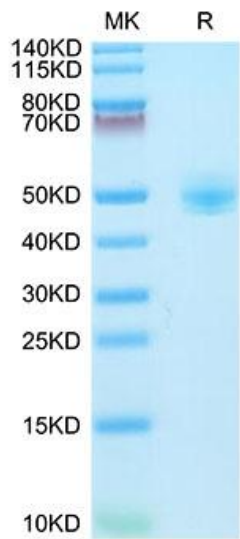
Contact

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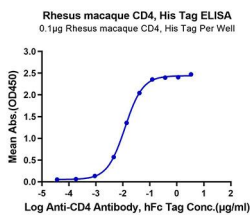
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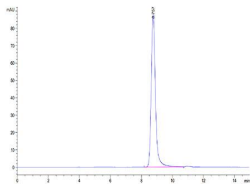
Validation Data



Recombinant Rhesus macaque LEU3/CD4 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Rhesus macaque CD4, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD4 Antibody, hFc Tag with the EC₅₀ of 12ng/ml determined by ELISA.



The purity of Rhesus macaque CD4 is greater than 95% as determined by SEC-HPLC.