Recombinant Human LEU3/CD4 Protein

Catalog No.: RP00079

Sequence Information

Species
Human

Gene ID
920

Swiss Prot
P01730

Tags
C-His

Synonyms
CD4,CD4mut

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
41.53 kDa

Observed MW
Approximately 55 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigenes and is also a receptor for the human immunodeficiency virus. This protein is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system.

Basic Information

Description
Recombinant Human LEU3/CD4 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Lys26-Trp390) of human sCD4 (Accession #NP_000607.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human CD4 Protein at 1μg/mL (100 μL/well) can bind CD4 Rabbit mAb with a linear range of 0.006-0.18 ng/mL.

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℃

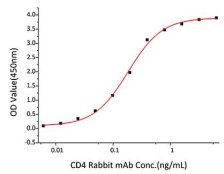
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

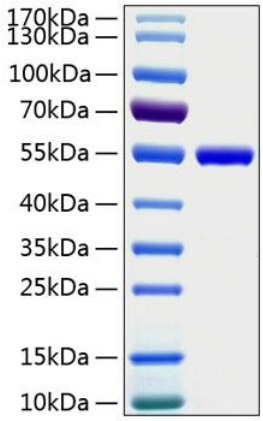
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

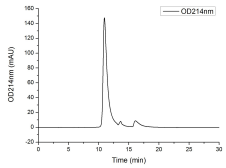
Validation Data



Immobilized Human CD4 Protein at 1μg/mL (100 μL/well) can bind CD4 Rabbit mAb with a linear range of 0.006-0.18 ng/mL.



Recombinant Human LEU3/CD4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human CD4 Protein (Cat.RP00079) was greater than 90% as determined by SEC-HPLC.