Human CD4 / LEU3 Protein (aa 1-208, His Tag)

Catalog Number: 10400-H08H1

General Information

Gene Name Synonym:
CD4mut

Protein Construction:
A DNA sequence encoding the human CD4 (NP_000607.1) N-terminal two domains (D1D2) (Met 1-Ser 208) was fused with a polyhistidine tag at the C-terminus.

Source: Human
Expression Host: HEK293 Cells

QC Testing

Purity: > 94 % as determined by SDS-PAGE

Bio Activity:
1. Measured by its ability to bind biotinylated GP140-His(Cat:11677-V08H) in a functional ELISA.
2. Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells. When 5x10^4 cells/well are added to CD4-coated plates (0.8 μg/mL and 100 μl/well), approximately >50 % will adhere specifically after 30 minutes at 37℃.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Lys 26

Molecular Mass:
The secreted recombinant human CD4 (aa 1-208) consists of 194 amino acids and has a predicted molecular mass of 21.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD4 is approximately 26 kDa.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References