Human CD45 / PTPRC Protein (Fc Tag)

Catalog Number: 10086-H02H

General Information

Gene Name Synonym:
B220; CD45; CD45R; GP180; L-CA; LCA; LYS; T200

Protein Construction:
A DNA sequence encoding the human CD45 precursor (NP_563578.1) (Met 1-Lys 414) was fused with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:
Measured by its ability to bind biotinylated human Galectin-1 (Cat:10290-HNAE-E) in a functional ELISA.

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 °C

Predicted N terminal: Gin 24

Molecular Mass:
The recombinant mature human CD45/Fc chimeric protein consists of 629 amino acids and has a calculated molecular mass of 71.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD45/Fc monomer is approximately 125-135 kDa due to glycosylation.

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