General Information

Gene Name Synonym:
CD66e; CEA

Protein Construction:
A DNA sequence encoding the mature form of human CEACAM5 (NP_004354.2) (Met 1-Ala 685) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

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: Lys 35

Molecular Mass:
The recombinant human CEACAM5/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 899 amino acids and has a predicted molecular mass of 99.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCEACAM5/Fc monomer is approximately 160-180 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