General Information

Gene Name Synonym:
4833442P21Rik; CD16-2; FcgammaRIV; Fcgr3a; FcgrIV; Fcrl3

Protein Construction:
The amino acid sequence corresponding to (Met1-Gln203) of mouse FCGR4 (NP_653142.2) was fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.

Source: Mouse
Expression Host: HEK293 Cells

QC Testing

Biotin/Protein Ratio:
0.5-1 as determined by the HABA assay.

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:
Measured by its ability to bind human IgG1 (Fc) (Cat:10702-HNAC) 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: Glu 19

Molecular Mass:
The recombinant mouse FCGR4 consists of 214 amino acids and has a predicted molecular mass of 24.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFCGR4 is approximately 35-40 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.