General Information

Gene Name Synonym:
Ifa2

Protein Construction:
A DNA sequence encoding the mouse IFNA2 (P01573?) (Cys 24-Glu 190) was fused with the Fc region of human IgG1 at the N-terminus.

Source: Mouse
Expression Host: HEK293 Cells

QC Testing

Purity: > 88 % as determined by SDS-PAGE

Bio Activity:
1. Measured in antiviral assays using L929 cells infected with vesicular stomatitis virus (VSV). The ED_{50} for this effect is 0.1-0.8 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized mouse IFNAR1-His (Cat:50469-M08H) at 10 μg/ml (100 μl/well) can bind mouse Fc-IFNA2 (Cat:50525-M01H). The EC_{50} of mouse Fc-IFNA2 (Cat:50525-M01H) is 0.8-1.9 μg/ml.

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

Molecular Mass:
The recombinant mouse IFNA2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 427 amino acids and has a calculated molecular mass of 47.8 kDa. The apparent molecular mass of the monomer is approximately 52 kDa in SDS-PAGE under reducing conditions.

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