Mouse MFI2 / CD228 / melanotransferrin Protein (Fc Tag)

Catalog Number: **50994-M02H**

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Biological Solution Specialist

General Information

Gene Name Synonym:

CD228; MAP97; MTf; MTF1; CD228; MTf

Protein Construction:

A DNA sequence encoding the mouse MFI2 (Q9R0R1) (Met 1-Gln 708), without the propeptide, was fused with the Fc region of human IgG1 at the C-terminus.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 92 % 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 ℃

Predicted N terminal: Val 20

Molecular Mass:

The secreted recombinant mouse MFI2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 930 amino acids and has a calculated molecular mass of 103 kDa. The apparent molecular mass of rmMFI2/Fc monomer is approximately 100 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:

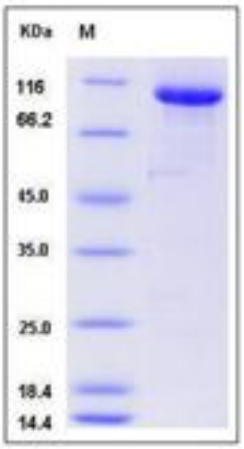
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Richardson DR. (2000) The role of the membrane-bound tumour antigen, melanotransferrin (p97), in iron uptake by the human malignant melanoma cell. Eur J Biochem. 267(5): 1290-8.
2.Kim DK, *et al.* (2001) Serum melanotransferrin, p97 as a biochemical marker of Alzheimer's disease. Neuropsychopharmacology. 25(1): 84-90.
3.Rothenberger S, *et al.* (1996) Coincident expression and distribution of melanotransferrin and transferrin receptor in human brain capillary endothelium. Brain Res. 712(1): 117-21.