

Mouse CD99L2 / MIC2L1 Protein (His Tag)

Catalog Number: 50526-M08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

AW548191; Mic2l1; Xap89

Protein Construction:

A DNA sequence encoding the mouse CD99L2 (NP_612182.1) extracellular domain (Met 1-Ala 164) was expressed, fused with a polyhistidine tag at the C-terminus.

Source: Mouse

Expression Host: HEK293 Cells

QC Testing

Purity: > 98 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to bind biotinylated recombinant mouse CD99L2 in 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: Asp 26

Molecular Mass:

The secreted recombinant mouse CD99L2 comprises 150 amino acids and has a predicted molecular mass of 16.3 kDa. As a result of glycosylation, the apparent molecular mass of rmCD99L2 is approximately 30-40 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:

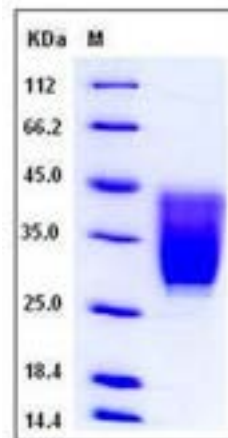
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

CD99 antigen-like protein 2, also known as MIC2-like protein 1, CD99L2 and MIC2L1, is a single-pass type I membrane protein which belongs to the CD99 family. CD99L2 is expressed in brain, heart, lung, liver, spleen, kidney, stomach, small intestine, skeletal muscle, ovary, thymus, testis and uterus. Lower expression of CD99L2 is seen in thymus. It is also expressed in E18 uterus and placenta. CD99 and CD99L2 were required for leukocyte extravasation in the cremaster after stimulation with tumor necrosis factor- α , where the need for PECAM-1 is known to be bypassed. CD99 and CD99L2 act independently of PECAM-1 in leukocyte extravasation and cooperate in an independent way to help neutrophils overcome the endothelial basement membrane. CD99L2 may function as a homophilic adhesion molecule. It functions in leukocyte-endothelial cell interactions during leukocyte extravasation, and in particular, at the diapedesis step. CD99L2 does not seem to be involved in docking of leukocytes to the vessel wall or in lymphocyte diapedesis.

References

1. Suh, YH. et al., 2003, Gene. 307: 63-76.
2. Park, S.H. Gene 2005, 353 (2):177-88.
3. Schenkel, AR et al., 2007, Cell Commun Adhes. 14 (5):227-37.

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