Catalog #: PHM1350



概述 (Summary)

英文全称 Podoplanin

纯度 (Purity) Greater than 95% as determined by reducing SDS-PAGE

内毒素 (Endotoxin level) <1 EU/µg as determined by LAL test.

蛋白构建 (Construction) Recombinant Mouse Podoplanin is produced by our Mammalian

expression system and the target gene encoding Gly23-Lys133 is

expressed with a human IgG1 Fc tag at the C-terminus.

Accession # Q62011

蛋白标签 (Tag)

表达宿主 (Host) **Human Cells**

种属 (Species) Mouse 预测分子量 (Predicted MW) 38.6 KDa

蛋白形态 (Form) Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

储存缓冲液 (Buffer)

运输方式 (Shipping) The product is shipped at ambient temperature. Upon receipt, store it

immediately at the temperature listed below.

Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 稳定性&储存 (Stability &Storage)

months under sterile conditions after opening. Please minimize freeze-thaw

cycles.

复溶 (Reconstitution) Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It

> is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized

> protein in distilled water. Please aliquot the reconstituted solution to minimize

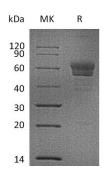
freeze-thaw cycles.

电泳图 (SDS-PAGE image)

Web: https://www.enkilife.com E-mail: order@enkilife.com techsupport@enkilife.com Tel: 0086-27-87002838

Product Name: Recombinant Mouse Podoplanin (C-Fc) Catalog #: PHM1350





背景 (Background)

分子别名 (Alternative Names) 背景介绍 (References)

Podoplanin; Aggrus; Glycoprotein 38; Gp38; PA2.26 antigen; T1-alpha; T1A Podoplanin belongs to the podoplanin family, also known as Glycoprotein 38. Podoplanin is synthesized as a 172 amino acid (aa) precursor with a 22 aa signal sequence, a 119 aa extracellular domain (ECD), a 21 aa transmembrane region, and a short, 10 aa cytoplasmic tail. Detected at high levels in lung and brain, at lower levels in kidney, stomach, liver, spleen and esophagus, and not detected in skin and small intestine. Expressed in epithelial cells of choroid plexus, ependyma, glomerulus and alveolus, in mesothelial cells and in endothelia of lymphatic vessels. Also expressed in stromal cells of peripheral lymphoid tissue and thymic epithelial cells. Detected in carcinoma cell lines and cultured fibroblasts. Expressed at higher levels in colon carcinomas than in normal colon tissue. It can interacts with CLEC1B; the interaction is independent of CLEC1B glycosylation and activates CLEC1B. It may be involved in cell migration and/or actin cytoskeleton organization. When expressed in keratinocytes, induces changes in cell morphology with transfected cells showing an elongated shape, numerous membrane protrusions, major reorganization of the actin cytoskeleton, increased motility and decreased cell adhesion. Required for normal lung cell proliferation and alveolus formation at birth. Ligand for CLEC1B, a platelet receptor. Induces platelet aggregation. Does not have any effect on folic acid or amino acid transport. Does not function as a water channel or as a regulator of aquaporin-type water channels.

注意事项 (Note)

For Research Use Only, Not for Diagnostic Use.

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