Datasheet for ABIN7320095

OPCML Protein (Fc Tag)

1 Image

Go to Product page

Overview

Quantity:	50 µg
Target:	OPCML
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This OPCML protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse OBCAM/OPCML Protein (Fc Tag)(Active)
Sequence:	Met 1-Ala 541
Characteristics:	A DNA sequence encoding the extracellular domain of mouse BCAM (Q9R069) (Met 1-Ala 541) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of HOS human osteogenic sarcoma cells.When cells are added to coated plates(5 µg/mL,100µL/well), approximately 30-70% will adhere after 1 hour at 37°C.

Target Details

Target:	OPCML

Target Details

Alternative Name:	OBCAM/OPCML (OPCML Products)
Background:	Background: The Lutheran (Lu) blood group and basal cell adhesion molecule (BCAM) antigens are both carried by 2 glycoprotein isoforms of the immunoglobulin superfamily representing receptors for the laminin alpha(5) chain. It is a transmembrane receptor with five immunoglobulin-like domains in its extracellular region, and is therefore classified as a member of the immunoglobulin (Ig) gene family. In addition to red blood cells, Lu/BCAM proteins are expressed in endothelial cells of vascular capillaries and in epithelial cells of several tissues. BCAM/LU has a wide tissue distribution with a predominant expression in the basal layer of the epithelium and the endothelium of blood vessel walls. As designated as CD239 recently, BCAM and LU share a significant sequence similarity with the CD146 (MUC18) and CD166, and themselves are adhesion molecules that bind laminin with high affinity. Laminins are found in all basement membranes and are involved in cell differentiation, adhesion, migration, and proliferation. BCAM is upregulated following malignant transformation of some cell types in vivo and in vitro, thus being a candidate molecule involved in tumor progression. In addition, BCAM interacts with integrin in sickle red cells, and thus may potentially play a role in vaso-occlusive episodes. Synonym: 2900075O15Rik,3732419F12,AI844366,B930023M13Rik,C230027C17,Gm181,Obcam,B-CAM,Gplu,Lu
Molecular Weight:	84 kDa
UniProt:	Q9R069

Application Details

Restrictions:	For Research Use only

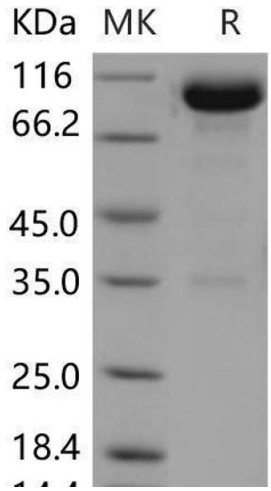
Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

Handling

samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.