

Datasheet for ABIN7320714  
**CADM1 Protein (Fc Tag)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	50 µg
Target:	CADM1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CADM1 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Mouse SynCam/CADM1 Protein (Fc Tag)(Active)
Sequence:	Gln48-His388
Characteristics:	Recombinant Mouse Cell adhesion molecule 1 is produced by our Mammalian expression system and the target gene encoding Gln48-His388 is expressed with a Fc tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human CADM1-Fc at 2µg/ml(100 µl/well) can bind Human CRTAMV-His(Cat: PKSH032286). The ED50 of Human SCRTAMV-His(Cat: PKSH032286) is 4.905 ug/ml .

## Target Details

Target:	CADM1
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## Target Details

Alternative Name:	SynCam/CADM1 ( <a href="#">CADM1 Products</a> )
Background:	<p>Background: Cell adhesion molecule 1 (CADM1) is a single-pass type I membrane protein and belongs to the nectin family. It contains 2 Ig-like C2-type (immunoglobulin-like) domains and 1 Ig-like V-type (immunoglobulin-like) domain. CADM1 acts as a tumor suppressor in non-small-cell lung cancer (NSCLC) cells. Interaction with CRTAM promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo. CADM1 may contribute to the less invasive phenotypes of lepidic growth tumor cells. In mast cells, it may mediate attachment to and promote communication with nerves. CADM1, together with MITF, is essential for development and survival of mast cells in vivo. The protein acts as a synaptic cell adhesion molecule and plays a role in the formation of dendritic spines and in synapse assembly. It may be involved in neuronal migration, axon growth, pathfinding, and fasciculation on the axons of differentiating neurons. CADM1 may play diverse roles in the spermatogenesis including in the adhesion of spermatocytes and spermatids to Sertoli cells and for their normal differentiation into mature spermatozoa.</p> <p>Synonym: Cell adhesion molecule 1, Immunoglobulin superfamily member 4, IgSF4, Nectin-like protein 2, NECL-2, Synaptic cell adhesion molecule, SynCAM, Tumor suppressor in lung cancer 1, TSLC-1</p>
Molecular Weight:	65.3 kDa
NCBI Accession:	<a href="#">NP_061240</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Activated T Cell Proliferation</a>

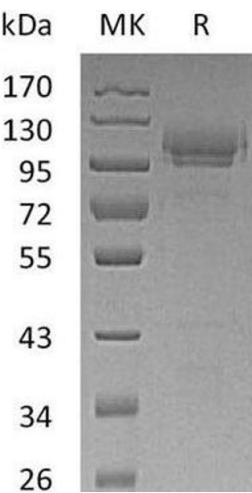
## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 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.

Handling

Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



**Western Blotting**

**Image 1.**