

Datasheet for ABIN7595572

anti-CADM1 antibody (AA 257-388) (FL550)



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Overview

Quantity:	200 µL
Target:	CADM1
Binding Specificity:	AA 257-388
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CADM1 antibody is conjugated to FL550
Application:	Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-SynCAM1 Antibody FL550 Conjugate
Immunogen:	Fusion protein amino acids 257-388 of mouse SynCAM1 (accession number Q8R5M8), recognizes 1.4b isoform only (epitope narrowed to GLTQLPNSAEELDSEDLS) produced recombinantly in E. Coli
Clone:	L45-30
Isotype:	IgG1
Specificity:	No cross-reactivity with SynCAM2 or SynCAM3
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Description: Our Anti-SynCAM1 mouse monoclonal primary antibody is produced in-house from hybridoma clone L45/30. It detects human, mouse, and rat SynCAM1, and is purified by Protein

Product Details

A chromatography. It is great for use in ICC.

Manufacturer Comment: We produce our SynCAM1 mouse monoclonal primary antibody from hybridoma clone L45/30. It is great in ICC and is purified by Protein A chromatography.

Purification: Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb.

Purity: > 90 % specific antibody

Target Details

Target: CADM1

Alternative Name: SynCAM1 ([CADM1 Products](#))

Background: Synonyms: Cell adhesion molecule 1 (Immunoglobulin superfamily member 4) (IgSF4) (Nectin-like protein 2) (NECL-2) (Spermatogenic immunoglobulin superfamily) (SgIgSF) (Synaptic cell adhesion molecule) (SynCAM) (Tumor suppressor in lung cancer 1) (TSLC-1)

Target Description: SynCAM1 cell adhesion molecule, Immunoglobulin superfamily member 4 (IgSF4), or Nectin-like protein 2 (NECL-2) is encoded by the gene CADM1 and is a member of the Immunoglobulin-like Cell Adhesion Molecules family. SynCam1 is a cell adhesion molecule involved in many cell processes including the mediation of cell-cell adhesion and assembly, neuronal migration axon growth and differentiation. SynCAM1 is expressed in many tissue types including, brain, lung, kidney, heart, spleen and liver. Diseases associated with this gene include Retroperitoneal Fibrosis and Neuromyelitis Optica Spectrum Disorder.

Gene Name Alternatives: Cadm1 Igsf4 Necl2 Ra175 Syncam SynCam1 Tslc1

Molecular Weight: 50 kDa

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Handling

Buffer:	PBS with 0.09 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Expiry Date:	12 months