

Product Datasheet

Anti-SynCAM4 Antibody FL594 Conjugate



Overview

Catalog #	75-247-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N244/5
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-321 (signal peptide and extracellular N-terminus) of mouse SynCAM4 (accession number Q8R464) produced recombinantly in E. Coli
Molecular Weight	43 kDa
Cite this Antibody	Antibodies Inc Cat# 75-247-FL594, RRID: AB_2939902

Details

Target Description	SynCAM4 cell adhesion molecule, Immunoglobulin Superfamily, Member 4C (IGSF4C), or Nectin-Like Protein 4 (NECL4) is encoded by the gene CADM4 and is a member of the Immunoglobulin-like Cell Adhesion Molecules family. SynCam4 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 several tissue types including brain, kidney and liver. Diseases associated with with this gene include Small Intestine Adenocarcinoma.
Specificity	Does not cross-react with other SynCAMs (based on KO validation results)
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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