

Product Datasheet

Anti-Beta1-Spectrin Antibody FL594 Conjugate



Overview

Catalog #	75-374-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2b
Clone Number	N385/21
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 1555-2137 (C-terminal repeats 13 to 17) of human Beta1-spectrin (accession number P11277) produced recombinantly in E. Coli
Molecular Weight	250 kDa
Cite this Antibody	Antibodies Inc Cat# 75-374-FL594, RRID: AB_2940250

Details

Target Description	Spectrin beta chain, erythrocytic, Beta1 spectrin, or Membrane Cytoskeletal Protein is encoded by the gene SPTB and is a member of the spectrin gene family. Beta1 spectrin is primary member of the cytoskeletal network in the erythrocyte plasma membrane. Beta1 spectrin is involved in cell membrane organization and stability and associates with the proteins band 4.1 and actin to form the cytoskeletal superstructure of the erythrocyte plasma membrane. Diseases associated with this gene include Spherocytosis and Elliptocytosis.
Specificity	No cross-reactivity reported
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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