

Product Datasheet

Anti-Parvalbumin Antibody FL594 Conjugate



Overview

Catalog #	75-455-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	L114/3
Size	200 μ L
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	Mouse and Rat
Immunogen	Fusion protein amino acids 1-110 (full-length) of rat Parvalbumin (accession number P02625) produced recombinantly in E. Coli
Molecular Weight	20 kDa
Cite this Antibody	Antibodies Inc Cat# 75-455-FL594, RRID: AB_2940514

Details

Target Description	Parvalbumin (PA) is a classical small, mostly cytosolic Ca ²⁺ -binding protein of the EF-hand superfamily expressed in vertebrates in a tissue- and cell-specific manner, serving as a magnesium/calcium buffer (Permyakov EA et al., 2017). Parvalbumin (PV)-expressing interneurons are a class of inhibitory neurons that fire rapid barrages of action potentials, and are accordingly named “fast-spiking” interneurons (Trachtenberg J. 2015).
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°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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