

## Product Datasheet

## Anti-Parvalbumin Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-455-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	L114/3
<b>Size</b>	200 $\mu$ L
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-110 (full-length) of rat Parvalbumin (accession number P02625) produced recombinantly in E. Coli
<b>Molecular Weight</b>	20 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-455-FL550, RRID: AB_2940513

## Details

<b>Target Description</b>	Parvalbumin (PA) is a classical small, mostly cytosolic Ca <sup>2+</sup> -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).
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.
<b>Storage</b>	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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