

## Product Datasheet

## Anti-Calretinin Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-488-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	L122/6
<b>Size</b>	200 µL
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-178 (N-terminus) of human CALB2 (accession number) produced recombinantly in E. Coli
<b>Molecular Weight</b>	25-35 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-488-FL550, RRID: AB_2940633

## Details

<b>Target Description</b>	Calretinin is a calcium-binding protein involved in calcium signaling. It is abundantly expressed throughout the central nervous system, retina and many other tissues. Studies have shown that calretinin may play a role in neuroprotection by buffering intracellular calcium (Lukas and Jones 1994, Weisenhorn et al., 1996). Additionally, calretinin selectively stains mesothelial cells thus making it an important marker for differentiating malignant mesothelioma from carcinomas (Attanoos et al., 2000).
<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.

**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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