

# CoraLite®594-conjugated Calbindin-D28k Monoclonal antibody

Catalog Number: **CL594-66394**

## Basic Information

**Catalog Number:**

CL594-66394

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG5861

**GenBank Accession Number:**

BC006478

**GeneID (NCBI):**

793

**UNIPROT ID:**

P05937

**Full Name:**

calbindin 1, 28kDa

**Calculated MW:**

30 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1F8B9

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF-P : mouse cerebellum tissue,

## Background Information

Calbindin-D28k is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. It is a cytosolic calcium binding protein highly expressed in the distal tubule, intestines, central nervous system, primary murine osteoblast cells and in several other organs. It plays an important role in the intracellular calcium homeostasis, its strong buffering capacity prevents cytotoxic effect of high concentration of free calcium in kidney, brain, pancreas, and intestine.

## Storage

**Storage:**

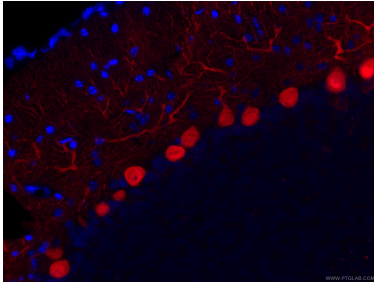
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

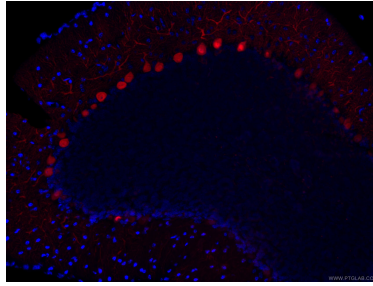
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using CL594-66394 (Calbindin-D28k antibody) at dilution of 1:100.



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