

## Product Datasheet

## Anti-IP3 Receptor, Type 1 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-035-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	L24/18
<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>	Canine, Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 2680-2749 (cytoplasmic carboxyl terminus) of rat type 1 IP3R (accession number P29994) produced recombinantly in E. Coli
<b>Molecular Weight</b>	300 kDa (varies due to glycosylation)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-035-FL594, RRID: AB_2939182

## Details

<b>Target Description</b>	Inositol 1,4,5-trisphosphate receptor type 1 or IP3 receptor type 1 (IP3R1) serves as a receptor for IP3. It is expressed in many tissues in the endoplasmic reticulum to facilitate calcium release from the ER. In brain, (IP3R1) is predominantly expressed in cerebellar Purkinje neurons.. Mutations in this gene cause spinocerebellar ataxia type 15 and spinocerebellar Ataxia 29.
<b>Specificity</b>	Does not recognize type 2 and type 3 IP3R's
<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 ≤ -20°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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