

## Product Datasheet

## Anti-LRRTM2 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-364-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N209C/35
<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>	Synthetic peptide amino acids 475-489 (MSNMSDQGPYNEYEP, cytoplasmic C-terminus) of human LRRTM2 (accession number O43300)
<b>Molecular Weight</b>	80 kDa (and larger due to glycosylation)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-364-FL550, RRID: AB_2940221

## Details

<b>Target Description</b>	Leucine Rich Repeat Transmembrane Neuronal 2 is encoded by the gene LRRTM2. LRRTM2 is a member of the LRRTM family. LRRTM2 is involved in the development and maintenance of excitatory synapses in the vertebrate nervous system. LRRTM2 regulates surface expression of AMPA receptors and instructs the development of functional glutamate release sites. LRRTM2 is expressed in neuronal tissues. Diseases associated with LRRTM2 include Histrionic Personality Disorder.
<b>Specificity</b>	Does not cross-react with LRRTM1
<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.

**Our Guarantee**

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