

## Product Datasheet

## Anti-TrpV1 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-254-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N221/17
<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 1-160 (cytoplasmic N-terminus) of rat TrpV1 (accession number O35433) produced recombinantly in E. Coli
<b>Molecular Weight</b>	100 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-254-FL550, RRID: AB_2939925

## Details

<b>Target Description</b>	Transient receptor potential cation channel subfamily V (vanilloid) member 1, or TrpV1 is a member of transient receptor potential cation channel family (TRP channel). TrpV1 is a non-selective, ligand activated calcium permeant cation channel that is widely expressed in tissues but elevated in dorsal root ganglia, highly but not solely expressed in postsynaptic dendritic spines. TrpV1 is involved in heat and chemical detection and in pain perception.
<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 ≤ -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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