

## Product Datasheet

## Anti-VDAC1 Antibody FL594 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-204-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N152B/23
<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 1-283 (full-length) of human VDAC1 (accession number P21796) produced recombinantly in E. Coli
<b>Molecular Weight</b>	30 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-204-FL594, RRID: AB_2939758

## Details

<b>Target Description</b>	Voltage-dependent anion-selective channel protein 1 or Outer Mitochondrial Membrane Protein Porin 1 is encoded by the gene VDAC1 and belongs to the mitochondrial porin family. VDAC1 is a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane and is also found on the plasma membrane of cells. VDAC1 can act as a scaffold for many proteins and allows for the passage of ions and metabolites, including ATP, through interactions within the pore. VDAC1 in the plasma membrane plays a role in the regulation of cell volume and apoptosis. VDAC1 is expressed in several tissues including heart, brain, liver and skeletal muscle. Diseases associated with VDAC1 include Influenza and Typhoid Fever.
<b>Specificity</b>	Does not cross-react with VDAC2 or VDAC3 (based on KO validation results)
<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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