

## Product Datasheet

## Anti-VIP Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-447-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	L108/92
<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 and Rat
<b>Immunogen</b>	Fusion protein amino acids 81-152 (mature protein) of human VIP (accession number P01282) produced recombinantly in E. Coli
<b>Molecular Weight</b>	19 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-447-FL550, RRID: AB_2940485

## Details

<b>Target Description</b>	Vasoactive Intestinal Peptide (VIP) or PHM27 is encoded by the gene VIP and belongs to the glucagon family. VIP is a secreted peptide hormone and binds to the VIP receptors VIP R1 and VIP R2. Signaling through the receptors, VIP is involved diverse processes including vasodilation, regulation of blood pressure, stimulates myocardial contractility and neurotransmission. VIP is produced in many tissues including gut, pancreas, heart and brain. Diseases associated with this gene include Vipoma and Vasomotor Rhinitis.
<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 IHC on either rat or mouse brain and confirmed to give the expected staining pattern.

**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.

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