

# CoraLite<sup>®</sup> Plus 488-conjugated VIP Polyclonal antibody

Catalog Number: **CL488-16233**

## Basic Information

**Catalog Number:**

CL488-16233

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8933

**GenBank Accession Number:**

BC009794

**GeneID (NCBI):**

7432

**UNIPROT ID:**

P01282

**Full Name:**

vasoactive intestinal peptide

**Calculated MW:**

169 aa, 19 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF-P

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF-P : mouse colon tissue,

## Background Information

Vasoactive intestinal peptide (VIP), a short peptide containing 28 amino acids belonging to the secretin-glucagon family, is initially isolated from the gastrointestinal tract as a potent vasodilator peptide. VIP was initially identified in normal nervous tissue and neurons and was subsequently recognized as a neurotransmitter widely distributed in various tissues. The wide distribution of VIP determines its involvement in a range of biological activities, such as gut motility, hormonal regulation, circadian rhythms, immune responses, and carcinogenesis. The general physiologic effects of VIP include vasodilation, anti-inflammatory actions, cell proliferation, hormonal secretion, regulation of gastric motility, and smooth muscle relaxation; therefore, VIP has emerged as a promising drug candidate for the treatment of several diseases.

## Storage

**Storage:**

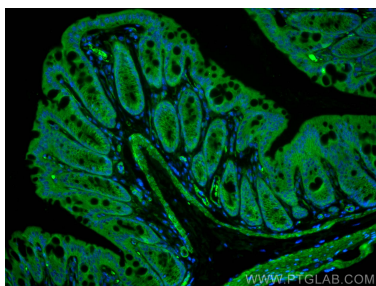
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

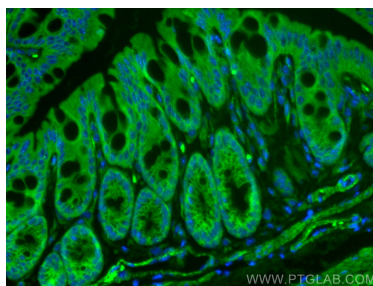
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CoraLite® Plus 488 VIP antibody (CL488-16233) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CoraLite® Plus 488 VIP antibody (CL488-16233) at dilution of 1:200.