

For Research Use Only

# CoraLite® Plus 488-conjugated HVCN1 Monoclonal antibody



Catalog Number:CL488-66449

## Basic Information

<b>Catalog Number:</b> CL488-66449	<b>GenBank Accession Number:</b> BC032672	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84329	<b>CloneNo.:</b> 1E4C4
<b>Source:</b> Mouse	<b>Full Name:</b> hydrogen voltage-gated channel 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 273 aa, 32 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Immunogen Catalog Number:</b> AG5350	<b>Observed MW:</b> 28-35 kDa, 40 kDa, 60 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : human tonsillitis tissue,
<b>Species Specificity:</b> human	

## Background Information

HVCN1, also named as VSOP and HV1, Belongs to the hydrogen channel family. HVCN1 mediates the voltage-dependent proton permeability of excitable membranes. It forms a proton-selective channel through which protons may pass in accordance with their electrochemical gradient. Proton efflux, HVCN1 is accompanied by membrane depolarization, facilitates acute production of reactive oxygen species in phagocytosis. HVCN1, the voltage-sensitive proton channel, is present in human sperm and is an important regulator of the functional maturation of sperm. HVCN1 has four isoforms with MW 28-32 kDa or 40 kDa (modification). It has a dimer form with MW 60 kDa.

## Storage

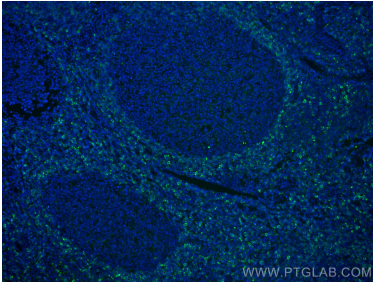
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

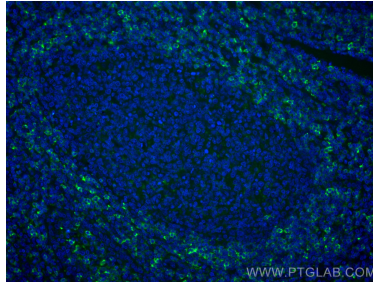
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 HVCN1 antibody (CL488-66449, Clone: 1E4C4) at dilution of 1:200.



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