

CoraLite® Plus 488-conjugated HVCN1 Monoclonal antibody

Catalog Number: **CL488-66449**

Basic Information

Catalog Number:

CL488-66449

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5350

GenBank Accession Number:

BC032672

GeneID (NCBI):

84329

UNIPROT ID:

Q96D96

Full Name:

hydrogen voltage-gated channel 1

Calculated MW:

273 aa, 32 kDa

Observed MW:

28-35 kDa, 40 kDa, 60 kDa

Purification Method:

Protein G purification

CloneNo.:

1E4C4

Recommended Dilutions:

IF-P 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human

Positive Controls:

IF-P : human tonsillitis tissue,

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:

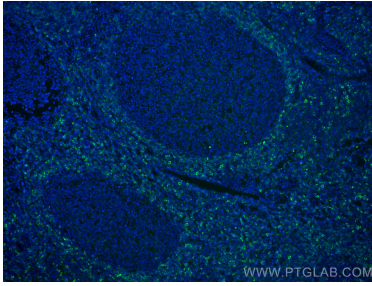
Store at -20°C. Avoid exposure to light.

Storage Buffer:

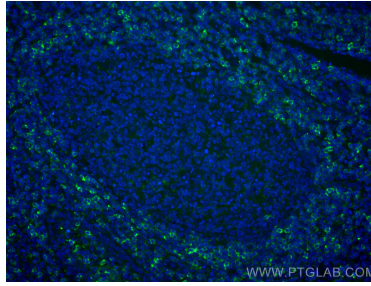
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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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