

For Research Use Only

CoraLite® Plus 488-conjugated ABCC5 Monoclonal antibody



Catalog Number: CL488-67955

Basic Information

Catalog Number:

CL488-67955

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG31674

GenBank Accession Number:

NM_005688

GeneID (NCBI):

10057

UNIPROT ID:

O15440

Full Name:

ATP-binding cassette, sub-family C
(CFTR/MRP), member 5

Calculated MW:

161 kDa

Observed MW:

180-190kDa

Purification Method:

Protein G purification

CloneNo.:

2H10F11

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Rat

Background Information

ABCC5, also named as MOAT-C, pABC11, SMRP and MRP5, belongs to the ABC transporter superfamily, ABCC family and Conjugate transporter (TC 3.A.1.208) subfamily. ABCC5 acts as a multispecific organic anion pump which can transport nucleotide analogs. ABCC5 functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that ABCC5 provides resistance to thiopurine anticancer drugs, 6-mercaptopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl) adenine. ABCC5 may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing of this gene has been detected; however, the complete sequence and translation initiation site is unclear.

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

For technical support and original validation data for this product please contact:

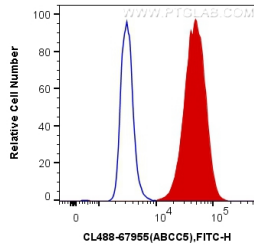
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ABCC5 (CL488-67955, Clone:2H10F11) (red), or 0.4 ug x. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).