

For Research Use Only

CoraLite® Plus 488-conjugated CD73 Monoclonal antibody

Catalog Number: CL488-67789

Featured Product

2 Publications



Basic Information

Catalog Number:

CL488-67789

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30616

GenBank Accession Number:

BC015940

GeneID (NCBI):

4907

UNIPROT ID:

P21589

Full Name:

5'-nucleotidase, ecto (CD73)

Calculated MW:

29 kDa, 63 kDa

Observed MW:

60-70 kDa

Purification Method:

Protein G purification

CloneNo.:

1G5G8

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

IF-P: human appendicitis tissue, human tonsillitis tissue

Background Information

CD73, also known as ecto-5'-nucleotidase (5'-NT), is a 70-kDa, glycosyl-phosphatidylinositol-linked membrane-bound glycoprotein found in most tissues (PMID: 18404475; 20179192). CD73 is an ectoenzyme that catalyzes the dephosphorylation of AMP and other nucleoside monophosphates (PMID: 9553767). In the human immune system, CD73 is expressed on subsets of T and B cells, on germinal center follicular dendritic cells, and on thymic medullary reticular fibroblasts and epithelial cells (PMID: 2137649; 9553767). CD73 is highly expressed in many human solid tumors and is closely involved in cancer progression (PMID: 20179192).

Notable Publications

Author	Pubmed ID	Journal	Application
Xin-Miao Xue	36569293	Front Pharmacol	IF
Xue-min Chen	36091055	Front Immunol	IF

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:

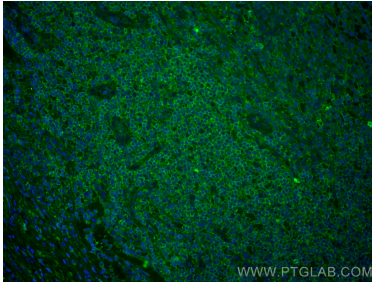
T: 4006900926

E: Proteintech-CN@ptglab.com

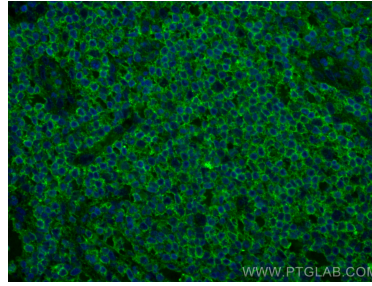
W: ptgcn.com

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 paraffin-embedded human appendicitis tissue using CoraLite® Plus 488 NT5E/CD73 antibody (CL488-67789, Clone: 1G5G8) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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