

CoraLite® Plus 488-conjugated PEPD

Monoclonal antibody

Catalog Number: **CL488-67202**

Basic Information

Catalog Number:

CL488-67202

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28713

GenBank Accession Number:

BC015027

GeneID (NCBI):

5184

UNIPROT ID:

P12955

Full Name:

peptidase D

Calculated MW:

493 aa, 55 kDa

Observed MW:

55 kDa

Purification Method:

Protein G purification

CloneNo.:

1H2A1

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF/ICC : A549 cells,

Background Information

PEPD, also named as PRD, Prolidase, X-Pro dipeptidase, Imidodipeptidase, Peptidase D and Proline dipeptidase, belongs to the peptidase M24B family and Eukaryotic-type prolidase subfamily. PEPD splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. It plays an important role in collagen metabolism because the high level of iminoacids in collagen. Defects in PEPD are a cause of prolidase deficiency (PD). PEPD is considered as the most promising candidate genes for altering AAA risk, based on gene function, association evidence, gene expression, and protein expression.(PMID:21247474)

Storage

Storage:

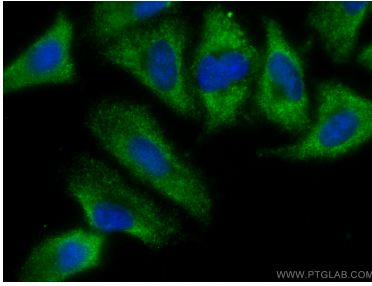
Store at -20°C. Avoid exposure to light.

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 (-20°C Ethanol) fixed A549 cells using Coralite® Plus 488 PEPD antibody (CL488-67202, Clone: 1H2A1) at dilution of 1:200. DAPI (blue).