

For Research Use Only

# FITC Plus Anti-Human Neprilysin/CD10 Rabbit Recombinant Antibody

Catalog Number: FITC-98116



## Basic Information

Catalog Number:

FITC-98116

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC101658

GeneID (NCBI):

4311

UNIPROT ID:

P08473

Full Name:

membrane metallo-endopeptidase

Calculated MW:

750 aa, 86 kDa

Purification Method:

Protein A purification

CloneNo.:

241322E1

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : Reh cells,

## Background Information

CD10, also known as neprilysin, membrane metallo-endopeptidase (MME), neutral endopeptidase (NEP), or common acute lymphoblastic leukemia antigen (CALLA), is a 100-kDa type II transmembrane glycoprotein belonging to peptidase M13 family (PMID: 7760013; 8102558). Among hematopoietic cells, CD10 is expressed on granulocytes, B cell precursors, mature germinal center B cells, a subset of immature thymocytes (PMID: 13679451). CD10 is also expressed on a variety of nonhematopoietic cell types, including bronchial epithelial cells, cultured fibroblasts, bone marrow stromal cells, renal proximal tubular epithelial cells, breast myoepithelium, biliary canaliculi (PMID: 8102558). CD10 is a cell surface peptidase that cleaves peptide bonds on the amino side of hydrophobic amino acids and inactivates a variety of physiologically active peptides. Loss or decreases in CD10 expression have been reported in a variety of malignancies (PMID: 16054017).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

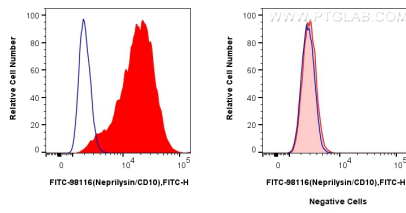
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> Reh cells (left) or Jurkat cells (right) were surface stained with 5 ul FITC Plus Anti-Human Neprilysin/CD10 Rabbit RecAb (FITC-98116, Clone: 241322E1) (red) or FITC Plus Rabbit IgG Isotype Control Recombinant Antibody (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed.