

For Research Use Only

FITC Plus Anti-Human Neprilysin/CD10 Rabbit Recombinant Antibody

Catalog Number: FITC-98116



Basic Information

Catalog Number: FITC-98116	GenBank Accession Number: BC101658	Purification Method: Protein A purification
Size: 100 tests, 5 ul/test	GeneID (NCBI): 4311	CloneNo.: 241322E1
Source: Rabbit	UNIPROT ID: P08473	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: membrane metallo-endoropeptidase	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
	Calculated MW: 750 aa, 86 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : Reh cells,
Species Specificity: human	

Background Information

CD10, also known as neprilysin, membrane metallo-endoropeptidase (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).

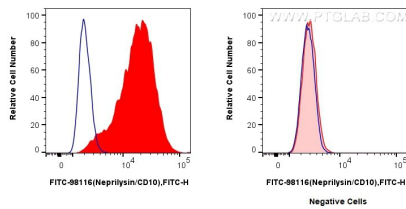
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ 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.