

For Research Use Only

CoraLite® Plus 647 Anti-Human Neprilysin/CD10 Rabbit Recombinant Antibody

Catalog Number: **CL647-98116**



Basic Information

Catalog Number: CL647-98116	GenBank Accession Number: BC101658	Purification Method: Protein A purification
Concentration: 100tests, 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-endorpeptidase	Excitation/Emission maxima wavelengths: 654 nm / 674 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-endorpeptidase (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:

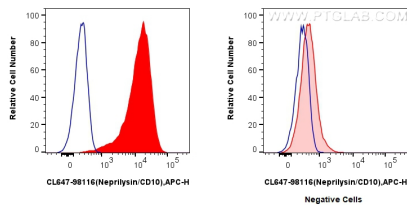
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Selected Validation Data



1x10⁶ Reh cells (left) or Jurkat cells (right) were surface stained with 5 ul CoraLite® Plus 647 Anti-Human Neprilysin/CD10 Rabbit RecAb (CL647-98116, Clone: 241322E1)(red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.