

CD10 Antibody / Neprilysin [clone CB-CALLA] (V2717)

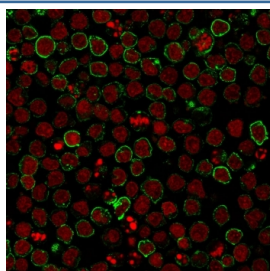
Catalog No.	Formulation	Size
V2717-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2717-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2717SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



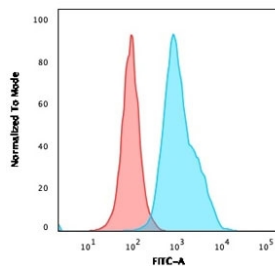
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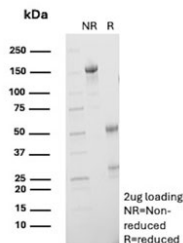
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CB-CALLA
Purity	Protein G affinity chromatography
UniProt	P08473
Localization	Cell surface, Cytoplasmic
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-3ug/ml
Limitations	This CD10 antibody is available for research use only.



Immunofluorescent staining of human Ramos cells with CD10 antibody (clone CB-CALLA, green) and Reddot nuclear stain (red).



Flow cytometry staining of human Ramos cells with CB-CALLA antibody; Red=isotype control, Blue= CB-CALLA antibody.



SDS-PAGE analysis of purified, BSA-free CD10 antibody (clone CB-CALLA) as confirmation of integrity and purity.

Description

Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA) and Neprilysin. It is a cell surface enzyme with neutral metalloendopeptidase activity, which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

Application Notes

Optimal dilution of the CD10 antibody should be determined by the researcher.

Immunogen

Recombinant human protein was used as the immunogen for the CD10 antibody.

Storage

Store the CD10 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).