Datasheet for ABIN93931

anti-MME antibody (Biotin)

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	0.1 mg
Target:	MME
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MME antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	NALM-6 human pre-B cell line
Clone:	MEM-78
Isotype:	IgG1
Specificity:	The antibody MEM-78 reacts with an extracellular epitope CD10 antigen (CALLA - Common acute lymphatic leukemia antigen), a 100 kDa type II integral membrane protein.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

Target Details

Target:	MME

Target Details

Alternative Name:	CD10 (MME Products)
Target Type:	Chemical
Background:	Membrane metalloendopeptidase,CD10 (neutral endopeptidase –, NEP, common acute lymphocytic leukemia antigen –, CALLA, membrane metallo-endopeptidase –, MME, enkefalinase) is a 100- kDa cell surface zinc metalloprotease, cleaving peptide bonds on the N-terminus of hydrophobic amino acids and inactivating multiple physiologically active peptids. CD10 is expressed on various normal cell types, including lymphoid precursor cells, germinal center B lymhocytes, and some epithelial cells, and its expression level serves as a marker for diagnostics of many carcinomas. CD10 is also a differentiation antigen for early B-lymphoid progenitors in the B-cell differentiation pathway and has a key role in regulation of growth, differentiation and signal transduction of many cellular systems.,CALLA, Neprilysin, Neutral endopeptidase, Enkephalinase, Atriopeptidase, MME
Gene ID:	4311
UniProt:	P08473
Pathways:	RTK Signaling, Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones, Smooth Muscle Cell Migration

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1 µg/mL.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.** Avoid prolonged exposure to light.

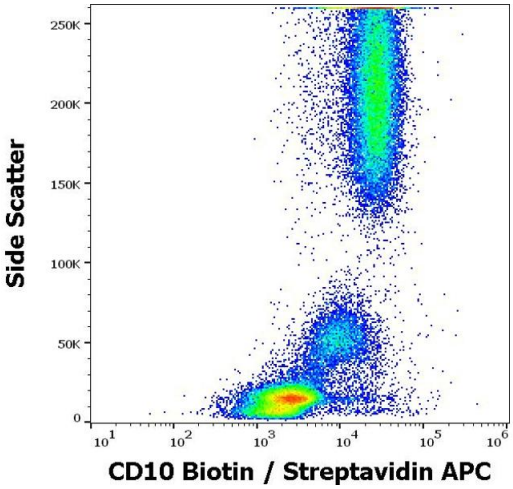
Handling

Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

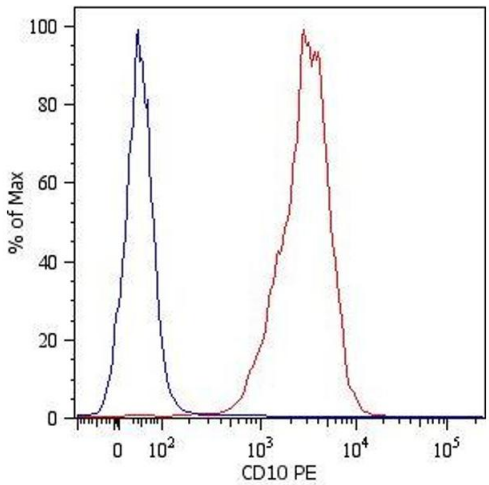
Product cited in:	Angelisová, Drbal, Horejsí, Cerný: "Association of CD10/neutral endopeptidase 24.11 with membrane microdomains rich in glycosylphosphatidylinositol-anchored proteins and Lyn kinase." in: **Blood**, Vol. 93, Issue 4, pp. 1437-9, (1999) (PubMed).

Images



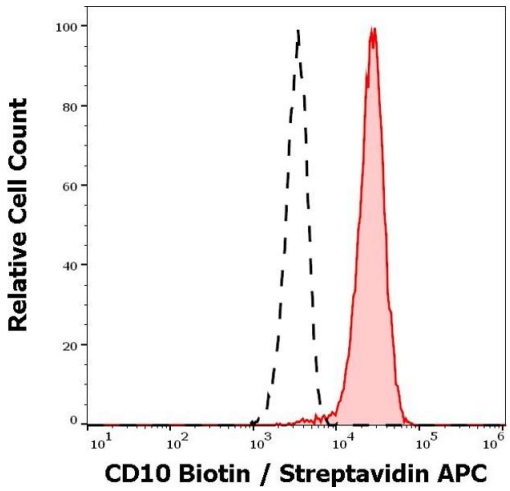
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD10 (MEM-78) Biotin antibody (concentration in sample 12 µg/mL, Streptavidin APC).



Flow Cytometry

Image 2. Surface staining of NALM-6 human pre-B cell leukemia cell line with anti-human CD10 (MEM-78) PE. Total viable cells were used for analysis.



Flow Cytometry

Image 3. Separation of neutrophil granulocytes stained anti-human CD10 (MEM-78) Biotin antibody (concentration in sample 12 µg/mL, Streptavidin APC, red-filled) from neutrophil granulocytes unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface staining).