Datasheet: MCA1556APCT

Description:	MOUSE ANTI HUMAN CD10:APC
Specificity:	CD10
Other names:	CALLA
Format:	APC
Product Type:	Monoclonal Antibody
Clone:	SN5c
Isotype:	IgG1
Quantity:	25 TESTS

Product Details

RRID AB_1100525

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species Human

Product Form Purified IgG conjugated to Allophycocyanin (APC) - lyophilised

Reconstitution Reconstitute in 0.25 ml disilled water

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
APC	650	661

Preparation Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin
5% Sucrose

Immunogen Partially purified cell membrane antigens from fresh leukemia cells

External Database

UniProt:

Links	P08473 Related reagents **Entrez Gene:** 4311 MME Related reagents
Synonyms	EPN
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse PS/NS1/1-Ag4-1 myeloma cell line
Specificity	**Mouse anti Human CD10 antibody, clone SN5c** recognizes the human CD10 cell surface antigen, a ~100 kDa glycoprotein expressed by acute lymphoblastic leukaemia cells and by peripheral blood granulocytes. CD10 is also known as the Common Acute Lymphoblastic Leukaemia Antigen (CALLA).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Matsuzaki, H. *et al.* (1987) Unique epitopes of common acute lymphoblastic leukemia antigen detected by new monoclonal antibodies. Cancer Res. 47 (8): 2160-6. 2. Biddle, W.C. *et al.* (1989) *In vitro* and *in vivo* cytotoxic activity of anti-human leukemia monoclonal antibodies SN5c and SN6 daunorubicin conjugates. Leuk Res. 13 (8): 699-707. 3. Riemann, D. *et al.* (2001) Caveolae/lipid rafts in fibroblast-like synoviocytes: ectopeptidase-rich membrane microdomains. Biochem J. 354 (Pt 1): 47-55. 4. Diaz-Romero, J. *et al.* (2008) Immunophenotypic changes of human articular chondrocytes during monolayer culture reflect *bona fide* dedifferentiation rather than amplification of progenitor cells. J Cell Physiol. 214: 75-83.
Storage	Prior to reconstitution store at +4ºC. Following reconstitution store at +4ºC. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:APC (MCA928APC)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

'M342970:190110'

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