

## Datasheet: MCA1556APCT

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

## Product Details

### 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](http://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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Allophycocyanin (APC) - lyophilised		
<b>Reconstitution</b>	Reconstitute in 0.25 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	APC	650	661
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
	5% Sucrose		
<b>Immunogen</b>	Partially purified cell membrane antigens from fresh leukemia cells		
<b>External Database Links</b>	<b>UniProt:</b>		
	<a href="https://www.uniprot.org/uniprot/P08473">P08473</a>	<a href="#">Related reagents</a>	

**Entrez Gene:**

[4311](#) MME [Related reagents](#)

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<b>Synonyms</b>	EPN
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<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse PS/NS1/1-Ag4-1 myeloma cell line
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<b>Specificity</b>	<b>Mouse anti Human CD10 antibody, clone SN5c</b> 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).
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Matsuzaki, H. <i>et al.</i> (1987) Unique epitopes of common acute lymphoblastic leukemia antigen detected by new monoclonal antibodies. <a href="#">Cancer Res. 47 (8): 2160-6.</a></li><li>2. Biddle, W.C. <i>et al.</i> (1989) <i>In vitro</i> and <i>in vivo</i> cytotoxic activity of anti-human leukemia monoclonal antibodies SN5c and SN6 daunorubicin conjugates. <a href="#">Leuk Res. 13 (8): 699-707.</a></li><li>3. Riemann, D. <i>et al.</i> (2001) Caveolae/lipid rafts in fibroblast-like synoviocytes: ectopeptidase-rich membrane microdomains. <a href="#">Biochem J. 354 (Pt 1): 47-55.</a></li><li>4. Diaz-Romero, J. <i>et al.</i> (2008) Immunophenotypic changes of human articular chondrocytes during monolayer culture reflect <i>bona fide</i> dedifferentiation rather than amplification of progenitor cells. <a href="#">J Cell Physiol. 214: 75-83.</a></li></ol>
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<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.  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.
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<b>Shelf Life</b>	12 months from date of reconstitution.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10075 available at: 10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:APC \(MCA928APC\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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