

Datasheet: MCA1806T

Description:	MOUSE ANTI HUMAN CD10
Specificity:	CD10
Other names:	CALLA
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	56C6
Isotype:	IgG1
Quantity:	0.1 ml

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			1/80
Immunohistology - Paraffin (1)	■			1/80

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Cynomolgus monkey N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Tissue Culture Supernatant - liquid
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Recombinant human CD10.
External Database Links	UniProt: P08473 Related reagents Entrez Gene: 4311 MME Related reagents

Synonyms	EPN
Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line
Specificity	Mouse anti Human CD10 antibody, clone 56C6 recognizes the human CD10 cell surface antigen, a ~100 kDa glycoprotein also known as CALLA (common acute lymphoblastic leukaemia antigen). CD10 is expressed on a variety of cell types, including immature and germinal centre B cells, lymphoblastic leukaemia cells and also on the brush border of kidney epithelial cells.
Histology Positive Control Tissue	Tonsil, Intestine or kidney
References	1. Angelin-Duclos, C. <i>et al.</i> (2000) Commitment of B lymphocytes to a plasma cell fate is associated with Blimp-1 expression <i>in vivo</i>. J Immunol. 165 (10): 5462-71. 2. Carvounis, E.E. <i>et al.</i> (2003) Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas. Int J Gastrointest Cancer. 33: 103-6. 3. Scholzen, T.E. <i>et al.</i> (2007) Terminating the stress: peripheral peptidolysis of proopiomelanocortin-derived regulatory hormones by the dermal microvascular endothelial cell extracellular peptidases neprilysin and angiotensin-converting enzyme. Endocrinology. 148: 2793-805. 4. de Moraes Schenka, N.G. <i>et al.</i> (2007) Use of p63 and CD10 in the differential diagnosis of papillary neoplasms of the breast. Breast J. 14: 68-75. 5. Matsumoto, T. <i>et al.</i> (2005) Increase of bone marrow-derived secretory lineage epithelial cells during regeneration in the human intestine. Gastroenterology. 128: 1851-67. 6. Rasini, V. <i>et al.</i> (2013) Mesenchymal stromal/stem cells markers in the human bone marrow. Cytotherapy. 15 (3): 292-306. 7. Nishimoto-Kakiuchi, A. <i>et al.</i> (2016) Characteristics of histologically confirmed endometriosis in cynomolgus monkeys. Hum Reprod. Sep 2. [Epub ahead of print] 8. Tasaki K <i>et al.</i> (2007) CD5-positive mucosa-associated lymphoid tissue (MALT) lymphoma of ocular adnexal origin: usefulness of fluorescence <i>in situ</i> hybridization for distinction between mantle cell lymphoma and MALT lymphoma. Pathol Int. 57 (2): 101-7. 9. Mizowaki, T. <i>et al.</i> (2015) STAT3 activation is associated with cerebrospinal fluid interleukin-10 (IL-10) in primary central nervous system diffuse large B cell lymphoma. J Neurooncol. 124 (2): 165-74. 10. Ince, T.A. <i>et al.</i> (2007) Transformation of different human breast epithelial cell types leads to distinct tumor phenotypes. Cancer Cell. 12 (2): 160-70.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10055 available at: 10055: https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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