

Datasheet: MCA1481G

BATCH NUMBER 157870

Description:	MOUSE ANTI HUMAN CD75s
Specificity:	CD75s
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LN-1
Isotype:	IgM
Quantity:	0.1 mg

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	▪			1/10 - 1/100
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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 protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Pig, Mink</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>

Product Form	Purified IgM - liquid
Preparation	Purified IgM prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgM concentration 0.1mg/ml
Immunogen	Nuclei from pokeweed mitogen-stimulated PBL
External Database Links	<p>UniProt: P15907 Related reagents</p> <p>Entrez Gene: 6480 ST6GAL1 Related reagents</p>
Synonyms	SIAT1
RRID	AB_2194432
Specificity	Mouse anti Human CD75s antibody, clone LN-1 recognizes the human CD75s cell surface antigen, an alpha2,6 - sialylated carbohydrate epitope expressed by mature B cells (especially germinal centre B cells), red blood cells and some epithelial cells.
Histology Positive Control Tissue	Human Tonsil
References	<ol style="list-style-type: none"> Epstein, A.L. <i>et al.</i> (1984) Two new monoclonal antibodies (LN-1, LN-2) reactive in B5 formalin-fixed, paraffin-embedded tissues with follicular center and mantle zone human B lymphocytes and derived tumors. J Immunol. 133 (2): 1028-36. Tanimoto, T. & Ohtsuki, Y. (1996) Evaluation of antibodies reactive with porcine lymphocytes and lymphoma cells in formalin-fixed, paraffin-embedded, antigen-retrieved tissue sections. Am J Vet Res. 57 (6): 853-9. Schwartz-Albiez, R. (2002) Carbohydrate and lectin: sections report in Leucocyte Typing VII: white cell differentiation antigens. Edited by Mason, D. <i>et al.</i> Oxford University Press. PP149-164. Aasted, B. <i>et al.</i> (2007) Reactivity of monoclonal antibodies to human CD antigens with cells from mink. Vet Immunol Immunopathol. 119: 27-37.
Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for

short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	Guaranteed until date of expiry. Please see product label.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1481G 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL \(MCA692\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M386528:210526'

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