Datasheet: MCA1985

BATCH NUMBER 149447

Description:	MOUSE ANTI HUMAN CD175
Specificity:	CD175
Other names:	TN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BRIC111
Isotype:	IgG1
Quantity:	0.2 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	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Haemagglutination	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. 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 - liquid
Buffer Solution	TRIS buffered glycine
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Human Tn red blood cells.
RRID	AB_323276
Fusion Partners	Spleen cells from immunised mice were fused with cells of a myeloma cell line
Specificity	**Mouse anti Human CD175 antibody, clone BRIC111** recognizes Tn antigen on glycophorin A and glycophorin B in human erythrocytes. Tn is a cryptantigen which was designated CD175 at the 7th Leucocyte Typing Workshop. Tn antigen is not expressed on normal haemopoietic cells but exposure of the Tn is associated with polyagglutination.
Histology Positive Control Tissue	Breast carcinoma
References	1. Deutscher, S.L. *et al.* (2010) Carbohydrate antigens in nipple aspirate fluid predict the presence of atypia and cancer in women requiring diagnostic breast biopsy. BMC Cancer. 10: 519. 2. King, M.J. *et al.* (1994) Two different glycosyltransferase defects that result in GalNAc alpha-O-peptide (Tn) expression. Glycobiology. 4 (3): 267-79. 3. Wua, A.M. *et al.* (2005) Further characterization of the binding properties of two monoclonal antibodies recognizing human Tn red blood cells. J Biomed Sci. 12 (1): 153-66.
Further Reading	1. Cao, Y. (2008) Expression of CD175 (Tn), CD175s (sialosyl-Tn) and CD176 (Thomsen-Friedenreich antigen) on malignant human hematopoietic cells. Int J Cancer. 123: 89-99.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10072 available at: https://www.bio-rad-antibodies.com/SDS/MCA1985 10072
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE

Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

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