

## Monoclonal Antibody to Blood Group Lewis Y - Purified

<b>Catalog No.:</b>	AM32301PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	Glycosyltransferases that mediate the regio- and stereoselective transfer of sugars, such as the fucosyltransferases, determine cell surface-carbohydrate profiles, which is an essential interface for biological recognition processes. Fucosyltransferases catalyze the covalent association of fucose to different positional linkages in sugar acceptor molecules. The carbohydrate moieties generated and covalently attached to cell surfaces are necessary to ensure a surface contour that satisfies physiological roles, which are reliant on adhesion molecules such as Selectins. Hematopoietic lineages rely on Fucosyltransferases to confer a surface carbohydrate phenotype, which mediates proper cell adhesion molecule recruitment and cell trafficking. Blood Group Lewis y is a carbohydrate determinant carried on both glycolipids and glycoproteins.
<b>Host / Isotype:</b>	Mouse / IgM
<b>Recommended Isotype Controls:</b>	SM13P
<b>Clone:</b>	A70-C/C8
<b>Immunogen:</b>	A NZB/N Bom mouse was immunized with live cells of the Human colorectal carcinoma cell line Ls174T. The isolated splenocytes of the mouse were fused with the myeloma cell line X63-Ag8.653.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections</b> <b>Immunohistochemistry on Paraffin Sections.</b> <i>Recommended Dilutions:</i> 1/50-1/500. Use 1/50 as a starting dilution. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody clone A70-C/C8 recognize the epitope Fuca1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ 1 and is therefore specific for blood group antigen Lewis <sup>Y</sup> . The Monoclonal antibody has no cross-reactivity with the blood group H type 2 antigens or with Le <sup>a</sup> , sialyl-Le <sup>a</sup> , Le <sup>x</sup> , sialyl-Le <sup>x</sup> , Le <sup>b</sup> or Le <sup>c</sup> .
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.