

Rabbit Anti-Blood Group Lewis b/PE Conjugated antibody

SL12871R-PE

Product Name	Anti-Blood Group Lewis b/PE
Chinese Name	PE 标记的粘蛋白/岩藻糖基转移酶 3 抗体
Alias	Blood group Lewis alpha-4-fucosyltransferase; Fucosyltransferase 3; Fucosyltransferase III; FucT-III; FUT3; FUT3_HUMAN; Galactoside 3(4)-L-fucosyltransferase; gastric mucin; leB; lewis antigen system; lewis b; Lewis B Blood Group antigen; Lewis FT; lewisb; major airway glycoprotein; MUC5; mucin 5, subtypes A and C, tracheobronchial/gastric; mucin 5AC, oligomeric mucus/gel-forming; mucin 5AC, oligomeric mucus/gel-forming pseudogene; mucin-5 subtype AC, tracheobronchial; TBM; tracheobronchial mucin.
Research Area	Cell biology Cell adhesion molecule glycoprotein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human) ICC/IF=1:50-200,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	42kDa
Cellular localization	The cell membrane
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Blood Group Lewis b
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH

7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

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 (1-3). Hematopoietic lineages rely on Fucosyltransferases to confer a surface carbohydrate phenotype, which mediates proper cell adhesion molecule recruitment and cell trafficking (4-6). Blood Group Lewis b is a carbohydrate determinant carried on both glycolipids and glycoproteins.

Function:

Blood group Lewis b is a carbohydrate determinant carried on both glycolipids and glycoproteins, detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals.

Subcellular Location:

Plasma membrane - adsorbed onto the surface of erythrocytes.

Product Detail

Tissue Specificity:

Highly expressed in stomach, colon, smallintestine, lung and kidney and to a lesser extent in salivarygland, bladder, uterus and liver.

Similarity:

Belongs to the glycosyltransferase 10 family.

Database links:

[Entrez Gene: 2525](#) Human

[Omim: 111100](#) Human

[SwissProt: P21217](#) Human

[Unigene: 169238](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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