ABO monoclonal antibody, clone HE-14

Catalog # MAB21025 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against human ABO.
Immunogen	Mixture of erythrocytes of blood group A1 and glycoprotein fraction isolated from the saliva of secretors with blood group A.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgM, kappa
Recommend Usage	Immunofluorescence (0.5-1ug/mL) Immunohistochemistry (Formalin-fixed) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 2 to 8°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence

Gene Info — ABO

Entrez GeneID	28
Protein Accession#	P16442
Gene Name	ABO
Gene Alias	A3GALNT, A3GALT1, GTB, NAGAT
Gene Description	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)
Omim ID	110300
Gene Ontology	Hyperlink
Gene Summary	This gene encodes proteins related to the first discovered blood group system, ABO. Which allele is present in an individual determines the blood group. The 'O' blood group is caused by a deletion of guanine-258 near the N-terminus of the protein which results in a frameshift and translation of an almost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase activities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene. [provided by RefSeq
Other Designations	ABO glycocyltransferase|ABO glycosyltransferase|B(A) alpha-1,3-galactosyltransferase|alpha 1-3-N-acetylgalactosaminyltransferase|histo-blood group A2 transferase|histo-blood group ABO protein

Pathway

- Glycosphingolipid biosynthesis - lacto and neolacto series
- Metabolic pathways

Disease

- Activated Protein C Resistance
- AIDS-Related Opportunistic Infections
- alpha-Thalassemia
- Alzheimer disease
- Anemia
- Asthma

- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Birth Weight
- Blood Group Incompatibility
- Brain Ischemia
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Coronary Artery Disease
- Cystic fibrosis
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Elliptocytosis
- Fatty Liver
- Gastritis
- Genetic Predisposition to Disease
- Glucosephosphate Dehydrogenase Deficiency
- Graft vs Host Disease
- Helicobacter Infections
- Hemorrhage
- Hemorrhagic Disorders
- Intracranial Hemorrhages
- Leukemia
- Liver Cirrhosis

- Lymphatic Metastasis
- Malaria
- Metabolic Syndrome X
- Mucositis
- Myocardial Infarction
- Pancreatic cancer
- Pancreatic Neoplasms
- Parasitemia
- Pharyngeal Diseases
- Pregnancy Complications
- Pseudomonas Infections
- Sickle Cell Trait
- Stomatitis
- Stroke
- Thalassemia
- Thromboembolism
- Thrombophilia
- Thrombosis
- Tuberculosis
- Venous Thrombosis
- von Willebrand Disease