

Datasheet for ABIN6936338 **anti-ABO antibody**



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Overview

Quantity:	100 µg
Target:	ABO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ABO antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Mucin isolated from an ovarian cyst fluid
Clone:	3-3A
Isotype:	IgG1 kappa
Specificity:	<p>This MAb preferably reacts with determinants of chain A and H type 3(Gal1-3GalNAc-R) and 4 (Gal1-3GalNAc-R), but not with type 1 and 2 chain structures. It is not reactive with immunodominant A trisaccharide. This MAb is applicable for tissue staining in tumor patients with blood groups A and AB. It shows a highly heterogeneous reactivity in human colon tumor tissue and adjacent mucosa. Blood-group antigens are generally defined as molecules formed by sequential addition of saccharides to the carbohydrate side chains of lipids and proteins detected on erythrocytes and certain epithelial cells. The A, B and H antigens are reported to undergo modulation during malignant cellular transformation. Blood group related antigens represent a group of carbohydrate determinants carried on both glycolipids and glycoproteins. They are usually mucin-type, and are detected on erythrocytes, certain epithelial cells, and in</p>

Product Details

secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter-related specificities belong to this group of antigens, including A, B, H, Lewis A, Lewis B, Lewis X, Lewis Y, and precursor type 1 chain antigens.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: ABO

Alternative Name: ABO ([ABO Products](#))

Background: A transferase, ABO, B transferase, CD173, Fucosylglycoprotein 3-alpha-galactosyltransferase, Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase, Glycoprotein-fucosylgalactoside alpha-galactosyltransferase, Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase, Histo-blood group A transferase, Histo-blood group B transferase, NAGAT, Blood Group Antigen A (CD173)
Cellular localisation: Cell Surface

Molecular Weight: Multiple

Gene ID: 28, 654423

UniProt: [P16442](#)

Application Details

Application Notes: Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Positive_Control: KG1 cells. Human colorectal carcinoma tissues.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Handling

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months