

Datasheet for ABIN6939552 **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:	ELISA, Immunofluorescence (IF), Agglutination (AGG), Haemagglutination (H), Coating (Coat)

Product Details

Immunogen:	Mixture of erythrocytes of blood group A1 and glyco protein fraction isolated from the saliva of secretors with blood group A
Clone:	HE-14
Isotype:	IgM kappa
Specificity:	This antibody recognizes human blood group A (monofucosyl and difucosyl A antigens with chain types 1, 2, 3, 4, 5, 6) and Forssmann antigen. It is also reactive with the immuno-dominant A trisaccharide. Blood group antigen expression in human colon cancer was studied by means of two monoclonal antibodies of broad anti-A (HE-14) and anti-type 3 and type 4 chain-based A and H (HE-10) specificity. These antigens were proved to re-appear in tumors of the distal colon, the HE-10 antibody reacting more frequently (9 out of 12 samples) than HE-14 (5 out of 12 samples) and frequently with supra-nuclear staining of the cytoplasm probably in those places of the Golgi apparatus where carbohydrate antigens are synthesized. This staining pattern is characteristic of HE-10 in normal colonic mucosa as well. With HE-14, staining was

Product Details

often absent in less differentiated tumors, while HE-10 did react in such tumors. In some cases, these two antibodies gave different staining patterns in parallel sections from the same tissue sample, primarily at the cellular level. Three out of 12 cases showed blood group antigen expression in the mucosa of the distal colon adjacent to the tumor only when HE-10 Ab was used.

Purification: Purified by Protein A/G

Target Details

Target: ABO

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

Gene ID: 28

UniProt: [P16442](#)

Application Details

Application Notes: Positive Control: KG1 cells. Human colorectal carcinoma tissues.
Known Application: ELISA (For coating, order Ab without BSA), Agglutination, Immunofluorescence (0.5-1 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months