

Datasheet for ABIN6939555

anti-ABO antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ABO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ABO antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Agglutination (AGG), Haemagglutination (H), Staining Methods (StM)

Product Details

Immunogen:	Mixture of erythrocytes of group B and glyco protein fraction isolated from saliva of secretors with blood group B
Clone:	HEB-20
Isotype:	IgG1 kappa
Specificity:	The antibody HEB-20 reacts with human blood group B. The specificity of the antibody HEB-20 was confirmed by comparison of specificity and reactivity to standard reagent using 5.000 samples of blood. The MAb HEB-20 shows specific staining of erythrocytes and vascular epithelium of blood group B controls and no staining in group A controls. This MAb is applicable for tissue staining in tumor patients with blood groups B and AB. 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

Product Details

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 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.

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: Agglutination, Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)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.

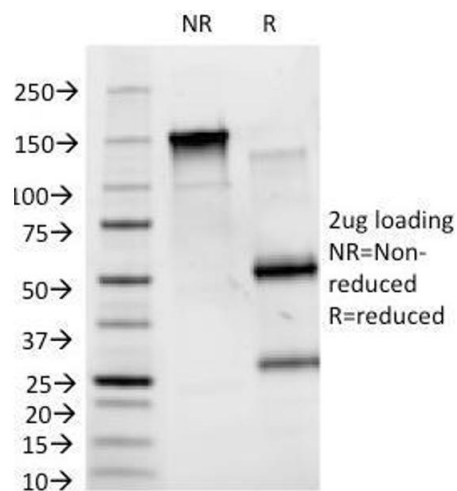
Preservative: Sodium azide

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

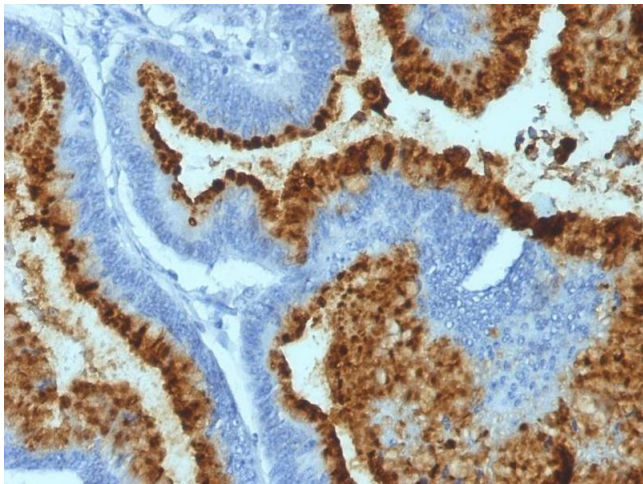
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Blood Group B Monoclonal Antibody (HEB-20). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group B Monoclonal Antibody (HEB-20).