

# Product Datasheet

## **ABO, Blood Group B Antigen Antibody (HEB-20) NBP2-44632-0.1mg**

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44632-0.1mg**

ABO, Blood Group B Antigen Antibody (HEB-20)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HEB-20
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP2-47870)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Mouse
Gene ID	28
Gene Symbol	ABO
Species	Human
Reactivity Notes	Others not known.
Specificity/Sensitivity	<p>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 monoclonal antibody HEB-20 shows specific staining of erythrocytes and vascular epithelium of blood group B controls and no staining in group A controls. This monoclonal antibody 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 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.</p>
Immunogen	Mixture of erythrocytes of group B and glyco protein fraction isolated from saliva of secretors with blood group B
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Agglutination, Immunofluorescence
Recommended Dilutions	Immunohistochemistry 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence 2-4 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml, Agglutination

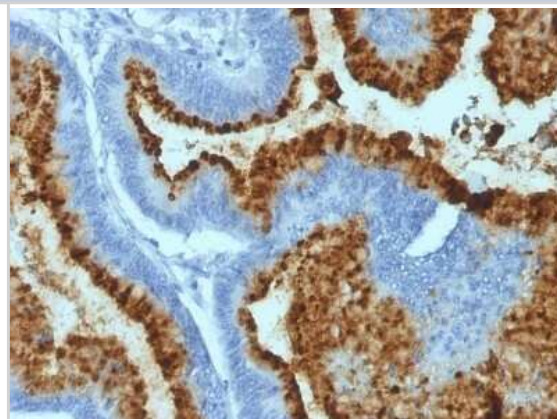


**Application Notes**

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

**Images**

Immunohistochemistry-Paraffin: ABO, Blood Group B Antigen Antibody (HEB-20) [NBP2-44632] - Human Colon Carcinoma stained with Blood Group B Monoclonal Antibody (HEB-20).



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**Products Related to NBP2-44632-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
DHAPG0	Haptoglobin [HRP]

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**Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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