

# Product Datasheet

## ABO, Blood Group A Antigen Antibody (33C13) - Azide and BSA Free

### NBP2-47866-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-47866-0.1mg**

ABO, Blood Group A Antigen Antibody (33C13) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	33C13
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS

**Product Description**

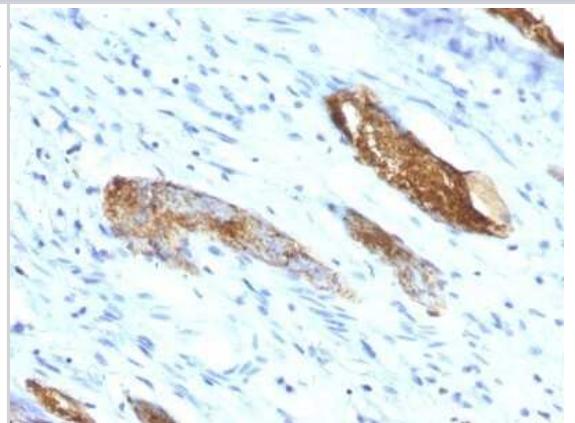
<b>Host</b>	Mouse
<b>Gene ID</b>	28
<b>Gene Symbol</b>	ABO
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This MAbs preferably reacts with determinants of chain A and H type 3(Gal1-3GalNAc-R) and 4 (Gal1-3GalNAc-R), but not with type 1 and 2 chain structures. It is not reactive with immuno-dominant A trisaccharide. This MAbs 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 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.
<b>Immunogen</b>	Mucin isolated from an ovarian cyst fluid

**Product Application Details**

<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml
<b>Application Notes</b>	Hu-chromosome location: 9q34.2 Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes.

## Images

Immunohistochemistry-Paraffin: ABO, Blood Group A Antigen Antibody (33C13) - Azide and BSA Free [NBP2-47866] - Human Colon Carcinoma stained with Blood Group Antigen A Monoclonal Antibody (33C13)





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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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