

# Product Datasheet

## ABO, Blood Group A Antigen Antibody (HE-10) [Janelia Fluor® 646] NBP2-47871JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47871JF646**

ABO, Blood Group A Antigen Antibody (HE-10) [Janelia Fluor® 646]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	HE-10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgM Kappa
<b>Conjugate</b>	Janelia Fluor 646
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	28
<b>Gene Symbol</b>	ABO
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This monoclonal antibody 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 monoclonal antibody 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>	Mixture of erythrocytes of blood group A and glyco protein fraction isolated from the saliva of secretors with blood group A
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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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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