



# Anti-ABO monoclonal antibody, clone 604DU4.3.3 (DCABY-966)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes proteins related to the first discovered blood group system, ABO. Which allele is present in an individual determines the blood group. The 'O' blood group is caused by a deletion of guanine-258 near the N-terminus of the protein which results in a frameshift and translation of an almost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase activities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene.
<b>Specificity</b>	This ABO antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 41-68 amino acids from the N-terminal region of human ABO.
<b>Isotype</b>	IgM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	604DU4.3.3
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Molecular Weight</b>	40934 Da
<b>Format</b>	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
<b>Size</b>	100 µl
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Ship	Blue ice
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## GENE INFORMATION

Gene Name	<a href="#">ABO ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase) [ Homo sapiens (human) ]</a>
Official Symbol	ABO
Synonyms	ABO; Histo-blood group ABO system transferase; Fucosylglycoprotein 3-alpha-galactosyltransferase; Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase; Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase; Glycoprotein-fucos
Entrez Gene ID	<a href="#">28</a>
Protein Refseq	<a href="#">NP_065202</a>
UniProt ID	<a href="#">A0A089QDC1</a>
Chromosome Location	9q34.2
Pathway	Glycosphingolipid biosynthesis - lacto and neolacto series
Function	fucosylgalactoside 3-alpha-galactosyltransferase activity; glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase activity; metal ion binding