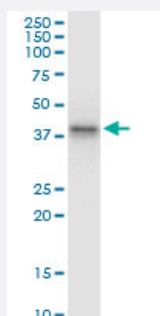


ABO monoclonal antibody (M08), clone 1B7

Catalog # H00000028-M08

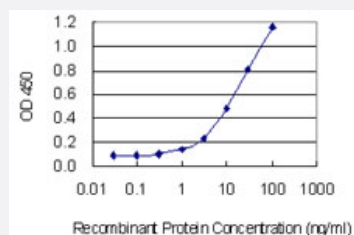
Size 100 ug

Applications



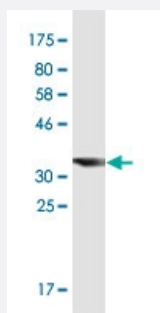
Western Blot (Cell lysate)

ABO monoclonal antibody (M08), clone 1B7. Western Blot analysis of ABO expression in A-431.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ABO is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (34.76 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ABO.

Immunogen	ABO (NP_065202.2, 273 a.a. ~ 354 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SVQEVQRLTRACHQAMMVDQANGIEAVVHDESHLNKYLRLRHKPTKVLSP EYLWDQQLLGWPAVLRKLRFTA VPKNHQAVRNP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.76 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ABO monoclonal antibody (M08), clone 1B7. Western Blot analysis of ABO expression in A-431.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ABO is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ABO

Entrez GeneID

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GeneBank Accession#	NM_020469
Protein Accession#	NP_065202.2
Gene Name	ABO
Gene Alias	A3GALNT, A3GALT1, GTB, NAGAT
Gene Description	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)
Omim ID	110300
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ABO glycosyltransferase ABO glycosyltransferase B(A) alpha-1,3-galactosyltransferase alpha 1-3-N-acetylgalactosaminyltransferase histo-blood group A2 transferase histo-blood group ABO protein

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)

Disease

- [Activated Protein C Resistance](#)
- [AIDS-Related Opportunistic Infections](#)
- [alpha-Thalassemia](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Asthma](#)
- [Atherosclerosis](#)

- [Attention Deficit Disorder with Hyperactivity](#)
- [Birth Weight](#)
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- [Stroke](#)
- [Thalassemia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tuberculosis](#)
- [Venous Thrombosis](#)
- [von Willebrand Disease](#)