

AibGenesis™ Mouse Anti-ALDOC Antibody (CBMOAB-35506FYA)

Cat. No.: CBMOAB-35506FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO35506FYA
Specificity	This antibody binds to Rhesus ALDOC.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	This gene encodes a member of the class I fructose-biphosphate aldolase gene family. Expressed specifically in the hippocampus and Purkinje cells of the brain, the encoded protein is a glycolytic enzyme that catalyzes the reversible aldol cleavage of fructose-1,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehyde, respectively. (From NCBI)
Product Overview	Mouse Anti-Rhesus ALDOC Antibody is a mouse antibody against ALDOC. It can be used for ALDOC detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
Protein Refseq	The length of the protein is 364 amino acids long. The sequence is show below: MPHLYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMARLSQIGVENTEENRRLYR QVLFSADDRVKKCIGGVIFHETLYQKDDNGVPFVRTIQDKGIVVGKVDKGVVPLAGTD GETTT

QGLDGLSERCAQYKKDGADFAKWRCVLKISERTPSALAIENANVLARYASICQQ NGIVPIVEPEILPDGDH
DLKRCQYVTEKVLAAVYKALSDHHVYLEGTLKPNMVTGPAC PIKYTPEEIAMATVTALRRTVPPAVPGVT
FLSGGQSEEEASLNLNAINRCPLRPWALTF SYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAA
QGKYEGSGEDGGAAQSLYIA NHAY.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
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MO-AB-0004 1L	Monoclonal	Elephant (<i>Loxodonta africana</i>)	WB, ELISA	MO00041 L	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 365 amino acids long. The sequence is show below: TMPNSYPALSPEQKKELSDIALRIVAPGKGIL
AADESVGSMARLSQIGVENTEENRRRLYRQVLFSAADDRVKKCIGGVIFHETLYQKDD NGIPFVRTIQDKGIVVGIVDKGVVPLAGTDGETTTQG
LDGLSERCAQYKKDGADFAKWRCVLKITERTPSALAIENANVLARYASICQ QNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYL
EGTLKPNMVTGPACPIKYTPEEIAMATVTALRRTVPPAVPGVT FLSGGQSEEEASLNLNAINRCPLRPWALTF SYGRALQASALNAWRGQQD
NAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAQSLYI ANHAY.

MO-AB-0004 5R	Monoclonal	Medaka (<i>Oryzias latipes</i>)	WB, ELISA	MO00045 R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 371 amino acids long.
The sequence is show below: GCNTGSATMTHQFPALTTEQKKELQEIAQRIVAPGKGILAADESTGSMARLNPIGVENTEENRRRYRQLLFTADQ
RIDSCIGGVIFHE TLYQKTDDGIPFAKLIKDRGIVVGIVDKGVVPLAGTNGETTTQGLDGLSERCAQYKKDGADFAKWRSVLKISDTTPSELAIME
NANVLA RYASICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLKPNMVTGPACPIKYTPEEIAMATVTALRRTVP
PAVTGVTFLSGGQSEEEASVNLNAINTCPLLKPWALTF SYGRALQASALSAWKGELSNEKAATEEFIKRAEANGLAALGKYASSGSGSAA SQSLY
VANHAY.

MO-AB-0136 3H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO01363 C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 364 amino acids long.
The sequence is show below: MTHQYPALSAEQKKELADIAQRIVAPGKGILAADESVGSMARLGGIGVDNTEENRRRLYRQLLFKGDERMQECIG
GVIFHETMYQQGDC GTDFVKMIKDKGIVVGIVDKGVVPLAGTNGETTTQGLDGLSERCAQYKKDGADFAKWRSVLKISSETTPSPLAIENANV
LARYASICQQ NGIVPIVEPEILPDGEHDLKRCQYITEKVLAAVYKALSDHHVYLEGTLKPNMVTAGHACPTKYSAAEEVAMATVTALRRSVPPAVPG
VTF LSGGQSEEEATINLNAINNCPARPWALTF SYGRALQASALNAWRGKKDNEDAATKVFLTRAEANGLAALGKYEHSGDGAGSAGQSLYVA N
HAY.

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-0628 2Y	Monoclonal	O. anatinus (<i>Ornithorhynchus anatinus</i>)	WB, ELISA	MO06282 Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 368 amino acids long. The sequence is show below: RAATMPHQYPALTAEQKKELSDIALRIVAPGKGILAADES VGSMKRLSQIGVENTEENRRLYRQVLLSADSRINKCIGGVIFFHETLYQ KGDDGTPFVRTVQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKIGEHTPSALAIENANVLARYAS ICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPTKYSAEEIAMATVSALRRTVPPAVP GVTFLSGGQSEEEASINLNAINRCPLVRPWALTF SYGRALQASALSTW RGQRENESAATEEFVKRAEVNGLAAQKGYESGEGDAGAAAGRS LYIANHAY.						
MO-AB-0716 5Y	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO07165 Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 364 amino acids long. The sequence is show below: MPHSYPALSAEQKKELSDIALRIVAPGKGILAADES VGSMKRLSQIGVENTEENRRLYRQVLFSAADDRVKKCIGGVIFFHETLYQKDDN GVPFVHTIQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLARYASICQQ NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPIKYSPEEIAMATVTALRRTVPPAVPGVTF LSGGQSEEEASLNAINRCPLRPWALTF SYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLAAQKGYESGEGDGGAAAQSLYIA NHAY.						
MO-AB-0724 1R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO07241 R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 364 amino acids long. The sequence is show below: MPHSYPALSAEQKKELSDIALRIVAPGKGILAADES VGSMKRLSQIGVENTEENRRLYRQVLFSAADDRVKKCIGGVIFFHETLYQKDDN GVPFVRTIQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLARYASICQQ NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACAIKYSPEEIAMATVTF LSGGQSEEEASLNAINRCPLRPWALTF SYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLAAQKGYESGEGDGGAAAQSLYIA NHAY.						
MO-AB-0885 3W	Monoclonal	Cat (<i>Felis catus</i>)	WB, ELISA	MO08853 W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 364 amino acids long. The sequence is show below: MPHSYPALSAEQKKELSDIALRIVAPGKGILAADES VGSMKRLSQIGVENTEENRRLYRQVLFSAADDRVKKCIGGVIFFHETLYQKDDN GVPFVRTIQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLARYASICQQ NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPIKYSPEEIAMATVTALRRTVPPAVPGVTF LSGGQSEEEASLNAINRCPLRPWALTF SYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLAAQKGYESGEGDGGAAAQSLYIA NHAY.						
MO-AB-1416 4Y	Monoclonal	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO14164 Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
Protein Refseq: The length of the protein is 459 amino acids long. The sequence is show below: IPAESVTPPHRSASVGPLTARSSPGRGRGQ GGERPRPPGGSHVALRQPLCGSRSLSYRSRGWSRSCRGSERELFLWLSYLAADRTVTMP HSYPALSAEQKKELSDIALRIVAPGKGILAADES VGSMAKRLSQIGVENTEENRRRLYRQVLFSADDRVKKCIGGVIFFHETLYQKDDNGV PFVRTIQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGL SERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLARYASICQQNG IVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTL LKPNMVTPGHACPIKYSPEEIAMATVTALRRTVPPAVPGVTFLS GGQSEEEASLNLNAINRCPLRPWALTFSYGRAPPAPAPNAWRGQQDNGG GQREKAGAATEEFIKRAEVNGLAAQKGKYEKSGEDGGVAVQ SLYVANHAY.						
MO-AB-2152	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO21520	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
OW				W	her labeled form.	g
Protein Refseq: The length of the protein is 364 amino acids long. The sequence is show below: MPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRRLYRQVLFSADDRVKKCIGG VIFFHETLYQKDDN GVPFIRTIQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLAR YASICQQ NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLKPNMVTPGHACPIKYTPEEIAMATVTALRRTVPPAVPGVTF LSGGQSEEEASFNLNAINRCPLRPWALTFSYGRALQASALNAWRGQRDNAGAATEEFIKRAEVNGLAAQKGKYEKSGEDGGAAAQSLYIA NHA Y.						
MO-AB-2368	Monoclonal	Pig (<i>Sus scrofa</i>)	WB, ELISA	MO23683	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
3R				R	her labeled form.	g
Protein Refseq: The length of the protein is 364 amino acids long. The sequence is show below: MPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRRLYRQVLFSADDRVKKCIGG VIFFHETLYQKDDN GVPFVRTIQDKGIVVGKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKGADFAKWRCVLKISERTPSALAIENANVLA RYASICQQ NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALNDHHVYLEGTLKPNMVTPGHACPIKYSPEEIAMATVTALRRTVPPAVPGVT F LSGGQSEEEASLNLNAINRCPLRPWALTFSYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLAAQKGKYEKSGEDGGAAAQSLYIA NH AY.						
MO-AB-2402	Monoclonal	Rat (<i>Rattus norvegicus</i>)	WB, ELISA	MO24029	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
9H				C	her labeled form.	g
Protein Refseq: The length of the protein is 153 amino acids long. The sequence is show below: MAKRLSQIGVENTEENRRRLYRQVLFSADDRVKKCIGGVIFFHETLYQKDDNGVPFVRTIQEKILVGKVDKGVVPL AGTDGETTWALTF SYGRALQASALSAWRGQRDNAGAATEEFIKRAEMNGLAAQKGKYEKSGDGGAAAQSLYVANHAY.						
MO-AB-2892	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO28926	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
6W				W	her labeled form.	g

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 446 amino acids long.

The sequence is show below: RPGRVVTTPRRPASVGMALPGRGRGQGRDVPAPRGSHVALRHPQPHLQEAGRPVASGLLTSPPLPCIFLQGWE
GCPSGTAVTMPHSYPAL SAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRLYRQVLFSADDRVKKCIGGVIFFHETLYQK
DDNGVPFVRTI QDKGIVVGIVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKISERTPSALAILNANVLARYASICQQNGI
VPIVE PEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPIKYSSEEIAMATVTALRRTVPPAVPGVTFLSGGQSEE E
ASLNLNAINRCPLRPWALTFSYGRALQASALNAWKGQQDNAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAAQSLYIANHAY.

MO-AB-3436	Monoclonal	Ferret (<i>Mustela putorius furo</i>)	WB, ELISA	MO34366	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 365 amino acids long.

The sequence is show below: TMPHSFPALSAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRLYRQVLFSADDRVKKCIG
GVIFFHETLYQKDD NGVPFVRTIQDKGIVVGIVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKISERTPSALAILNANVL
ARYASICQ QNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPIKYSPEEIAMATVTALRRTVPPAVPGV
TFLSGGQSEEEASLNLNAINRCPLRPWALTFSYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAARSLYIANHAY.

MO-AB-4121	Monoclonal	Guinea pig (<i>Cavia porcellus</i>)	WB, ELISA	MO41215	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 365 amino acids long.

The sequence is show below: TMPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRQYRQVLFSADDRVKKCIG
GVIFFHETLYQKDD NDVPFVRTIQDKGIVVGIVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKISERTPSTLAILNANVL
ARYASICQ QNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPIKYSPEEIAMATVTALRRTVPPAVPGV
TFLSGGQSEEEASLNLNAINRCPLRPWALTFSYGRALQASALNAWRGQKDNAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAAQSLYIANHAY.

MO-AB-4363	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO43637	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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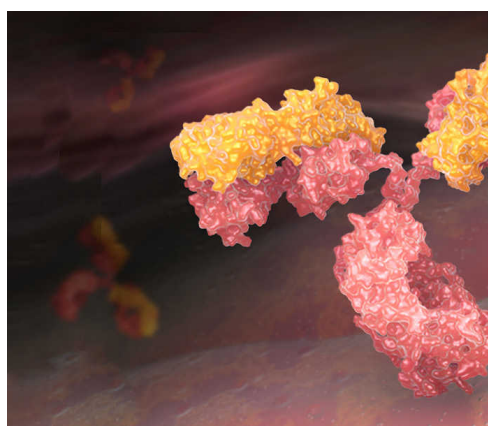
Protein Refseq: The length of the protein is 365 amino acids long.

The sequence is show below: TMPHSYPALSAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRLYRQVLFSADDRVKKCIG
GVIFFHETLYQKDD NGVPFVRTIQDKGIVVGIVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKISERTPSALAILNANVL
ARYASICQ QNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTDPGHACPIKYSPEEIAMATVTALRRSVPVAVPGV
TFLSGGQSEEEASLNLNAINRCPLRPWALTFSYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLAAQGKYEGSGEDGGAAAQSLYIANHAY.

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-5072 4W	Monoclonal	Marmoset	WB, ELISA	MO50724 W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 364 amino acids long.

The sequence is show below: MPHSYPVLSAEQKKELSDIALRIVAPGKGILAADESVGSMAKRLSQIGVENTEENRRLYRQVLFSADDRVKKCIGGVIFFHETLYQKDDN GVPFVQTIQDKGIVVGIIKVDKGVVPLAGTDGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKISERTPSALAILENANVLA
RYASICQQ NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHVYLEGTLLKPNMVTPGHACPIKYTPEEIAMATVTALRRTVPPAVPGVTF
LSGGQSEEEASLNLNAINRCPLPRPWALTFSYGRALQASALNAWRGQQDNAGAATEEFIKRAEVNGLQPRASMKAVEKNGGAAAQSLYIA NH
AY.



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.