

AibGenesis™ Mouse Anti-Fmr1 Antibody (CBMOAB-16887FYA)

Cat. No.: CBMOAB-16887FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO16887FYA
Specificity	This antibody binds to fruit fly Fmr1.
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
Cellular Localization	Nucleus; Golgi apparatus; Other locations

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	The protein encoded by this gene binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene. (From NCBI)
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Product Overview	Mouse Anti-D. melanogaster Fmr1 Antibody is a mouse antibody against Fmr1. It can be used for Fmr1 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
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Protein Refseq

The length of the protein is 684 amino acids long.

The sequence is show below: MEDLLVEVRLDNGAYYKGQVTAVADDGIFVDVDGVPESMKYPFVNVRLPPE ETVEVA API FEEGMEVEVFTRTNDRET CGWWVGIIKMRKAEIYAVAYIGFETSYTEICELGRLRAKNSN PPIT AKTFYQFTLPVPEELREEAQKDGIHKEFQRTIDAGVCNYSRDL DALIVISKFEHTQ KRASMLKDMHFRNLSQ KVMLLKRTEEAARQLETTKLMSRGNYVEEFRVRDDL MGLAIGSH GSNQAARTVDGVTNIELEEKSCFTKIS GETEESVQRARAMLEYAEEFFQVPRELVGKVI GKNGRIIQEIVDKSGVFRIKVS AIAAGDDEQDQNI PRELAH VPFVFIGTVESIANAKV LLE YHLSHLKEVEQLRQEKMEIDQQLRAIQESSMGSTQSFPVTRRSERGYSSDIE SVRSMRGG GGGQRGRVRGRGGGGPGGGNGLNQRYHNNRRDEDDYNSRGDHQRDQQRGYNDRGGG DNTG SYRGGGGGAGGPGNNRRGGINRRPPRNDQQNGRDYQHNNHTTEEVRETREMSSVERADSN SS YEGSSRRRRRQKNNNGPSNTNGAVANNNNKPQSAQQPQQQPPAPGNKAALNAGDASK QNSGNANAA GGASKPKDASRNGDKQAGTQQQQPSQVQQQQAQQQPKPRRNKNRSNNH TDQPSGQQQLAENVK KEGLVNGTS.

Clo		Applicatio		Clon	Conjugate		Si
Sub C	nali Species Reactivity	n	e				ze
at	ty						
CBMOA Mon						MO43 Unconjugated; also availa	10
B-43027	oclo Rhesus (<i>Macaca mulatta</i>)	WB, ELISA	027F		ble for Biotin; HRP; FITC		0 μ
FYA	nal			YA	and other labeled form.		g

Protein Refseq: The length of the protein is 632 amino acids long.

The sequence is show below: MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPERQIPFHDVRFPPPVGYNKDINESDEVEVYSRANEK EPCCWWLAKVRMIKGE FYVIEYAACDATYNEIVTIERLRSVNPNKPATKDTFHKIKLDVPEDLRQMC AKESA HKDFK KAVGAFSVTYDPENYQLVI LSISEVTSKR AHMLIDMHFRSLRTKL SLILRNEEASKQLESSRQLASRFHEQFIVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGED QD AVKKARSFLEFAEDVIQVPRNLVGKVGKNGKLIQEIVDKSGVVRVRIEAENEKNVPQEEEIMPPNSLPSNNSRVGNAP EEEKHLDIKE NSTH FSQPNSTKVQ RVLVASSV VAGESQKPEL KAWQGMVPFVFGTKDSIANATVLLDYHLNLYLKEVDQLRLERLQIDEQLRQIGASSRP PPNRTDKEK SYVTDDGQGMGRGSRPYRNRGHGRRGPGYTS GTNSEASNA SETESDHRDELSDWSLAPTEEERENFLRRGDGRRRGGGGGRG QGGRGRG GGFGKND DHSRTDNRPRNPREAKGR TTDGSLQIRVDCN NERSVHTKTLQNTSSEGNRLRTGKDRNQKKEKPD TVDGQQPLVNG VP.

CBMOA Mon						MO76 Unconjugated; also availa	10
B-76701	oclo Zebrafish (<i>Danio rerio</i>)	WB, ELISA	701F		ble for Biotin; HRP; FITC		0 μ
FYA	nal			YA	and other labeled form.		g

Protein Refseq: The length of the protein is 569 amino acids long.

The sequence is show below: MDELAVEVRGASGAFYKAYIKDVHESTVTVAFENNWQPERQISFQDVRFPPPTGFQKEINESDEVEVYSRANDK EPCGWWLAKVRMV KGE FYVIEYAACDATLNEIVTLERLRPVNPNKAATKNTFLKTRLDVPEDLRQMC AKDS A HKDFK KAIGAFNVTYDSEEKQLV ILSVNEVTAKR ISMLSDMHFRSLRTKLALILRNEEATRQLESSRQLASRFHEQFVERDDLMGLAIGTHGANIQQARKISGVTTIDLDEETCTFHIYGE DQE AVRKARSYLEFSEDVIKVP RNLVGKVGKSGKLIQEVVDKSGVVRVRV EPENDKKPSPLEEGMV PFVFGTKESISNARILLDYHLNLYK EVD

Sub C	Clo	Applicatio Clon	Si
at	nali Species Reactivity	n e	ze
	ty	Conjugate	

QLRMERLQIDEQLRQIGGGPRALPGRPEKEKSFMADNGMGPSRGGGKPFGRGGRGRRGPTLASGTNSEASNASETESDHRDELSDWS LAPT
DEESMGYPKRAPDGRKRGGGPRGRGGRGGYKTEDMHWNDSSRSRSDSKLRPQEESRQIRIDSNNERSIHTSRSSQAMAGARGG NRQR
PIKERVMMKKEKQDGSQAVVNGVS.

Mon	Unconjugated; also availa 10
MO-AB-	MO12
oclo Cattle (<i>Bos taurus</i>)	WB, ELISA ble for Biotin; HRP; FITC 0 µ
12651R	651R
nal	and other labeled form. g

Protein Refseq: The length of the protein is 303 amino acids long.

The sequence is show below: MEDLVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPPVGYNKDINESDEVEVYSRANEK
EPCCWWLAKVRMIKGE FYVIEYAACDATYNEIVTIERLRVSNPNKPATKETFHKIKLDVPEDLRQMCAKESAHKDFKKAVGAFSVTYDPENYQLV
LSISEVTSKR AHMLIDMHFRSLRTKLSILRNEEASKQLESSRQLASRFHEQFVREDLMGLAIGTHGANIQQARKVPGVTAIDL.

Mon	Unconjugated; also availa 10
MO-AB-	MO15
oclo Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA ble for Biotin; HRP; FITC 0 µ
15881W	881W
nal	and other labeled form. g

Protein Refseq: The length of the protein is 632 amino acids long.

The sequence is show below: MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPPVGYNKDINESDEVEVYSRANEK
EPCCWWLAKVRMIKGE FYVIEYAACDATYNEIVTIERLRVSNPNKPATKDTFHKIKLDVPEDLRQMCAKESAHKDFKKAVGAFSVTYDPENYQLVI
LSINEVTSKR AHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLASRFHEQFIVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGE
DQD AVKKARSFLEFAEDVIQVPRNLVGKVGKNGKLIQEIVDKSGVVRVRIEAENEKNVPQEEEIMPPNSLPSNNSRVGNAPAEKKHLDIKE NST
HFSQPNSTKVQRVLVASSVAGESQKPELKAQQGMVPFVFGTKDSIANATVLLDYHLNLYKEVDQLRLRLQIDEQLRQIGASSRP PPNRTDKE
KSYVTDDGQGMGRGSRPYRNRGHGRRGPGYTSGTNSEASNASETESDHRDELSDWLAPTEEERESFLRRGDGRRRGGGGGRG QGGRGRG
GGFKGNDDHSRTDNRPRNPREAKGRTTDGSLQIRVDCNNERSVHTKTLQNTSSEGSRLRTGKDRNQKKEKPDSVDGQQLVNG VP.

Mon	Unconjugated; also availa 10
MO-AB-	MO25
oclo Rat (<i>Rattus norvegicus</i>)	WB, ELISA ble for Biotin; HRP; FITC 0 µ
25859H	859C
nal	and other labeled form. g

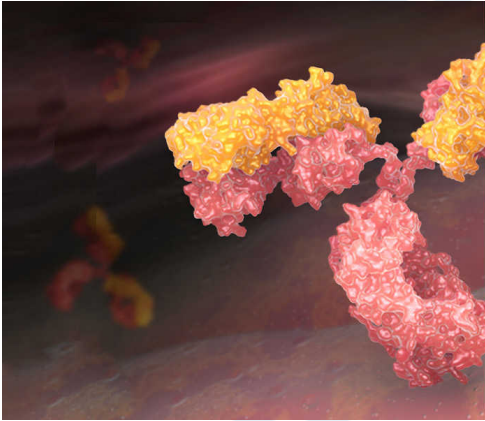
Protein Refseq: The length of the protein is 136 amino acids long.

The sequence is show below: PPSSLPSNNSRVGSNSSEEKKHLDTKENTHFSQPNSTKVQRVLVSSIVAGGPQKPEPKAWQGMVPFVFGTK
DSIANATVLLDYHLNLY KEVDQLRLRLRLQIDEQLRQIGASSRPPPNRTDKEKGYVTDDGQGMG.

MO-AB- Mon Pig (<i>Sus scrofa</i>)	WB, ELISA	MO25 Unconjugated; also availa 10
25884R oclo		884R ble for Biotin; HRP; FITC 0 µ

Sub C	Clo	Applicatio	Clon	Conjugate	Si
at	nali Species Reactivity	n	e		ze
ty					
	nal			and other labeled form.	g
Protein Refseq: The length of the protein is 31 amino acids long.					
The sequence is show below: CAKESAHKDFKKAVGAFSVTYDPEGYQLVIL.					
MO-AB-	Mon			Unconjugated; also availa	10
55568W	oclo Marmoset	WB, ELISA	MO55	ble for Biotin; HRP; FITC	0 μ
nal			568W	and other labeled form.	g
Protein Refseq: The length of the protein is 611 amino acids long.					
The sequence is show below: MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPERQIPFHDVRFPPVGYNKDINESDEVEVYSRANEK EPCCWWLAKVRMIKGE FYVIEYAACDATYNEIVTIERLRVSNPNKPATKDTFHKIKLDVPEDLRQMC AKESAHKDFKKAVGAFSVTYDPENYQLVI LSISEVTSKR AHMLIDMHFRSLR TKLSILIRNEEASKQLESSRQLASRFHEQFIVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGED QD AVKKARSFLEFAEDVIQVPRNLVGKVGKNGKLIQEIVDKSGVVRVRIEAENEKNVPQEEEIIPPNSLPSNNSRIGPNAPEEKKHLDIKE NSTHF SQPNSTKVQRGBMVPFVFGTKDSIANATVLLDYHLNLYKEVDQLRLERLQIDEQLRQIGASSRPPPNRTDKEKGYVTDDGQGMGR GSRPYRNR GHGRRGPGYTSGTNSEASNASETESDHRDELSDWSLAPTEEERESFLRRGDGRRRGGGGRGQGGRGRGGGFGKGNDDHSRTDN RPRNP AKGRTTDGSLQIRVDCNNERSVHTKTLQNTSSEGNRLRTGKDRNQKKEKPDSDVGQQLVNGVP.					
MOFY-0	Mon				10
922-FY	oclo D. melanogaster	WB, IP, IF	M6A1	Unconjugated	0 μ
91	nal		5		g
MO-NA	Mon				10
B-00048	oclo Fruit fly (<i>Drosophila melanogaster</i>)	IP, IF, ELIS	6A15	unconjugated	0 μ
W	nal	A, WB			g
MO-NA	Mon				10
B-00703	oclo D. melanogaster (<i>Drosophila melanogaster</i>)	IF, IHC, IP,	NW06	Unconjugated	0 μ
W	nal	WB	25		g
MO-NA	Mon				10
B-00704	oclo D. melanogaster (<i>Drosophila melanogaster</i>)	IF, IHC, IP,	NW06	Unconjugated	0 μ
W	nal	WB	26		g
MO-DK	Poly Mouse (<i>Mus musculus</i>), Rat (<i>Rattus norvegicus</i>), Human (<i>Homo sapiens</i>), Mou	WB		Unconjugated	10
B-03457	clon se (<i>Mus musculus</i>), Cattle (<i>Bos taurus</i>), Dog (<i>Canis lupus familiaris</i>), Chicken				0 μ
W	al				g

Sub C	Clo		Applicatio	Clon	Conjugate	Si
	at	nali Species Reactivity	n	e		
		(<i>Gallus gallus</i>), Primate, Sheep (<i>Ovis aries</i>), Frog (<i>Xenopus</i>), Zebrafish (<i>Danio r</i> <i>erio</i>)				
MO-DK Poly		Human (<i>Homo sapiens</i>), Mouse (<i>Mus musculus</i>), Rat (<i>Rattus norvegicus</i>), Zebr	WB, ELISA,			10
B-03649clon		afish (<i>Danio rerio</i>)	IHC-P, IHC-	Unconjugated		0 μ
W	al		Fr, IF, ICC			g



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.