

AibGenesis™ Mouse Anti-Ddc Antibody (CBMOAB-14675FYA)

Cat. No.: CBMOAB-14675FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO14675FYA
Specificity	This antibody binds to fruit fly Ddc.
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	The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. (From NCBI)
Product Overview	Mouse Anti-D. melanogaster Ddc Antibody is a mouse antibody against Ddc. It can be used for Ddc detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
Protein Refseq	The length of the protein is 510 amino acids long. The sequence is shown below: MSHIPISNTIPTKQTDGNGKANISDPKLDPKVSDIMEAPEFKDFAKTMVDFIA

EYLENIR ERRVLPEVKPGYLKPLIPDAAPEKPEKWQDVMQDIERVIMPGVTHWHSPKFHAYFPTANS YPAI
VADMLSGAIACIGFTWIASPACTELEVVMMMDWLKGMLLEPAEFLACSGGKGGGVIQ GTASESTLVALLGAK
AKKLKEVKELHPEWDEHTILGKLVGYCSDQAHSSVERAGLLGGVK LRSVQSENHRMRGALEKAIEQDVA
EGLIPFYAVVTLGTTNSCAFDYLDECGPVGNKHNH WIHVDAAYAGSAFICPEYRHLMKGIESADSFNPNPHK
WMLVNFDCSAMWLKDPSSWVNAF NVDPLYLKHDMQGSAPDYRHWQIPLGRRFRALKLWFLRLYGVEN
LQAHIRRHCFNAKQF GDLVADSRFELAAEINMGLVCFRLKGSNERNEALLKRINGRGGHILVPAKIKDVYFL
RM AICSRFTQSEDMEYSWKEVSAAADEMEQEQ.

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
CBMOAB-40523 FYA	Monoclonal	Rhesus (<i>Macaca mulatta</i>)	WB, ELISA	MO40523F YA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg	

Protein Refseq: The length of the protein is 480 amino acids long.

The sequence is show below: MNTSEFRRRGKEMVDYVANYMEGIEGRQVYPDVEPGYLRPLIPDSAPQEPDTFEDIINDIEKIIMPGVTHWHSPYF
FAYFPTASSYPAML ADMLCGAIGCIGFSWAASPACTELETVMMMDWLKGMLLEPKAFLTENAGEGGGVIQGSASEATLVALLAARTKAIHRLQAASP
ELTQAAIM EKLWAYSSDQAHSSVERAGLIGGVKLKAIPSDGNFAMRASALQEALERDRAAGLIPFFVATLGTTCSSFDNLLEVGPICNKEDMWL
HV DAAYAGSAFICPEFRHLLNGVEFADSFNPNPHKWLLVNFDCSAMWVKRSDLTGAFRLDPTYLKSHHQDSGKLAALHWWQIPLGRRFRSL K
MWFVFRMYGVKGLQAYIRKHVQLSHEFESLVLDPRFEICA EVTLGLVCFRLKGSNKNVNEALLQRINS AKKIHLVPCHLRDKFVLRFAI CSRTVES
AHVQRAWHEHIKELAADVLQAERE.

CBMOAB-73126 FYA	Monoclonal	Zebrafish (<i>Danio rerio</i>)	WB, ELISA	MO73126F YA	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 480 amino acids long.

The sequence is show below: MDAAEFRRRRGREMVDYVADYIENIEKRQVYPDVEPGYLRSLIPEEAPPEEPESYEDVVKDIERVIMPGVTHWHSPY
FYAYFPTAHSYPAML ADILCGAIGCIGFSWAASPACTELETVMLDWLKGMLKLPEDFLAGTKGKGGGVIQSTASEATLITLLAARSKIVRLIQADHPD
RSETDII SKLVAYSSDQAHSSVERAGLIGGVKMKIPTDSKFSVRGDALERILKEDKAAGLIPFFFCATLGTTASCAFDICITELGPICNAEKMWMHI D
AAYAGSAFICPEFRPLLNGIEFADSFNPNPHKWLLINFDCSAMWVKKRADIIGAFKMEPLYLKHDHQESGLVTDYRHWQIPLGRRFRSL KMWFVF
RMYGLKALQAYIRKHVGLAKEFEAFVRADQRFEISADVVMGLVCFRLKGPNELSENLLKRINSARKIHLVPCHLAGLFLVLRFAV CARATESRHVQE
AWCHIRQLASELLQELLH.

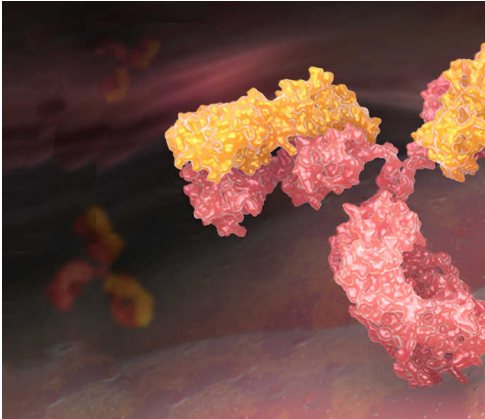
MO-AB-41548W	Monoclonal	Guinea pig (<i>Cavia porcellus</i>)	WB, ELISA	MO41548W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 480 amino acids long.

The sequence is show below: MNASEFRRRGKEMVDYVANYLEGIESRLVYPDVEPGYLRPLIPSSAPEEPETYEDIIGDIERIIMPGVTHWNSPYFF
AYFPTANSYPSML ADMLCGAISCIGFSWAASPACTELETVMLDWLKGMLRLPDAFLAGNAGMGGGVIQGSASEATLVALLAARTKVIRRLQAASP

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
ELTQAAIM EKLWAYASDQAHSSVERAGLIGGVRMKLIPSDSNFAMRASALREALERDKAAGLIPFFVATLGTNCCSFDSLLEVGPICNQEEMWL HI DAAYAGSAFICPEFRHLLDGVFADSFNPNPHKWLLVNFDCSAMWVKQRTDLIGAFKLDPVYLKHGHQDSGLITDYRHWQIPLGRRFRSL KM WFFVFRMYGIKGLQAHIRKHVQLAHEFESLVRQDPRFEICMEVTLGLVCFRLKGSNQLNETLLKRINSARKIHLVPCHLRDKFVLRFR I CSRQVESD HVQQAQWQHIRQLASSVLR LERA.						
MO-AB-11259R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO11259R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 487 amino acids long. The sequence is show below: MNASEFRRRGKEMVDYVADYLEGIEGRQVFPDVPDGYLRPLIPTTAPQEPETFEAIIEDIEKIIMPGVTHWHSPYFF AYFPTASSYPAML ADMLCGAIGCIGFSWAASPACTELETVMMDWL GKMLQLPEAFLAGEAGEGGGVIGTASEATLVALLAARTKVTRHLQAASP ELMQAAIM EKLWAYASDQAHSSVEKAGLIGGVRLKAIPSDGKFAMRASALQEALERDKAAGLIPFFVATLGTTSCCSFDNLL.						
MO-AB-00384R	Monoclonal	Medaka (<i>Oryzias latipes</i>)	WB, ELISA	MO00384R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 480 amino acids long. The sequence is show below: MDAAEFRRRGKEMVDHVADYLEKIEERPVPDVEPGYLRSLIPTEAPVEPD SYEDIMKDVERVIMPGITHWHSPN FFAYFPAASSYPAML ADMLCAAIGCIGFSWAASPACTELETVMLDWL GKMLQLPECFLAGTHGHGGGVIGTASEATLVSLLAARCKAIRRVQSLD PKKSEAEIL SKLVAYTSEQAHSSVERAALIGAVMMKKVPTDNLAVRGEMLKKILEEDKAAGLIPFYFCATLGTTPSCAFDHIADLGPLCNQENMW MHI DAAYAGSAFICPEFRPLLNGVEYADSFNPNPHKWMLINFDCSAMWVKKRTDIIGAFKMEPLYLKHENQESGLVTDYRHWQIPLGRRFRSL KM WFFVFRMYGLQGLQAHIRKQVGLAKEFESLVRADKRFEICAPVVMGLVCFRLKGTNELNQSLKKITKSREIHLVPCQLSGSFVLR LAI CSRSTESR HIQQAWQHITQLAFELLQEHHH.						
MO-AB-02911H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO02911C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 485 amino acids long. The sequence is show below: MNASEFRKRKGKDMVDYVADYLEQIESRQVFPDVEPGYLRPLIPDSAPEEGETYEDIIKDVERVIMPGVTHWHSPY FFAYFPTGNSYPALL ADMLCGAIGCIGFSWASSPACTELETVMLDWL GKMIQLPEQFLAGNKGE GGGVIGTASEATLMALLAARTKVTRRLQAE NPKLTEAEIV SRMVAYSSDQAHSSVERAGLISGVRMKKIPSDEK FVARGQALKKALEEDKAEGLIPIFFCATLGTTNSCAFDNLMELGPVCNAENI WMHI DAAYAGSAFICPEFRYLMEGVEFADSFNPNPHKWLLVNFDCSAFWVKKRS DLIGAFKMDPVYLQYDQQESGLVTDYRHWQIPLGRRFRSL KLWVFRYIYGVKGLQAHIRKHVGLAHEFLECVKKDELFEICAPVILGLVCFRLKGSNELNKALLQKINH SKKIHVPCCLGDTFVLRFAV CARTVESS HVQFAWKHIKELTTELLNNEKQKQTQN.						
MO-AB-05538Y	Monoclonal	A. aegypti (<i>Aedes aegypti</i>)	WB, ELISA	MO05538Y	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 332 amino acids long. The sequence is show below: GTASEATLVALLGAKAKAIKRTQEEHPEWDE TYIISRLVGYTSNQSHSSVERAGLLGGVKLRSLKADSNLQLRGETLEEAIKQDLADGLI PFYAVCTLGTTNTCAFDRLDELGPVGNKYNVWIHVDA AYAGSAFVCPEYRHLMKGIETADSFNFNPHKWMLVNFDCSAMWLKEPYWIVNA FNVDPPLYLKHDMQGSAPDYRHWQIPLGRRFRALKLWFLVR LYGVENIQAHIRRHCAFAKQFEALCVADSRFEIFSTVQMGLVCFRLKGNN EISEALLKKINGRGKIHMVPSKVNDVYFLRMAVCSRFTEASDIEYS WNEVSAVADELLAEKK.							
MOFAB-806W	Polyclonal	Bovine, Human, Mous e, Rat		WB		Unconjugated	100 μg



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.