

AibGenesis™ Mouse Anti-Hdc Antibody (CBMOAB-18454FYA)

Cat. No.: CBMOAB-18454FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO18454FYA
Specificity	This antibody binds to fruit fly Hdc.
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 group II decarboxylase family and forms a homodimer that converts L-histidine to histamine in a pyridoxal phosphate dependent manner. Histamine regulates several physiologic processes, including neurotransmission, gastric acid secretion, inflammation, and smooth muscle tone. (From NCBI)
Product Overview	Mouse Anti-D. melanogaster Hdc Antibody is a mouse antibody against Hdc. It can be used for Hdc detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
Protein Refseq	The length of the protein is 1080 amino acids long. The sequence is shown below: MAPRRNSNISSSGNSTQQQHQQQLQQQHQTQQHQLLQFYAENVNSSGVL MAPMQGTGGVG GVGGGGMVHCCLPSGDCRKLDTLIHLNELSLADCIRVLCNNENCSAGQYMHRECFEW

WEA SVLQALKANGRARSWSERQRLQLHLWTKKGYELVQKACSCCKGRGQLRKDLDWPPSSQGV IYLN
SGNRPTLANGSLSEDDDDKKKAKKKRNRNNNNNNNGGGGGGAGVNGNTKTPLSNNN GNSYAGLTPNPV
GVIGSGLPHNNGNTASNGSSGNGSSGVLQTSALATFSNLTNNVL GLDLRARAGSLSSSGAGSGSTSP
SDSQSSGEISVSPVQQLLPQQQQQQQSLLIQPLGPA FGSNLLQNGLGLSKNLLIAPQQQQQQQLQQQ
QQQNNLPALANISNFKPLASYEQQLVQ QQKNKEVELYSDRVRSTSGCNGIFSRRLDFSSFNLLPKTRLNS
YQVKIEDEGNHGNDETR LFILSSLAQSQMSRVACILCEEPLLVDTRYPLVDGSFFLSPKQHSSSGCIEVKYEG
RTLVL TCVCMSCLDGTSSSRRAINCRFCKEPWDGSSSLVLTMYAYDIFAAMPCCAERFKCNCNCFKM LMHPQ
QRLSFYSDYSHGVTCPYCNTQDTHFVKPLTFCYAKTTATRLPTLAXHEAPLESVP GTGATTTQVPNAQGSP
TASGCSNTIASKQPPKQPLYNAIDYSAPLQQQINPDIGAHP HAQQHQQVRRQQQQQQQQQQPQQQQ
QQQQQQTQQQSSQQQQQQQQQQHQPVVSTFQRGNF PQQSHKTMNMAMADVMSKYQQQQHQQQQ
QQRQQQHNLQPQQQHATQKGLEGLLLTNTNT SNNNSSSSSSSSISNLIISHNSASNTGNKMQPTWGQSD
AISALWGCSSSSSGCSSGSGSQ PSLSPTASSNGNDGSKMMLWAAQSSPQNAATLRDGFKEQLRQQPPQ
QQVPQQQPHAASPT ASLTSSSSSSNGWSASHYGKPNIWELPGSTGQRTPASSHDIFTDLLCNLSISQDNS
SQQA SSKADASDVSSNSSSSSAGELLEAANIWRFEYASSQLYMEEPTGGAAACMLFNDYLNMN .

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
CBMOAB-7921 Monoclonal		Zebrafish (<i>Danio rerio</i>)	WB, ELISA	MO79212FYA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

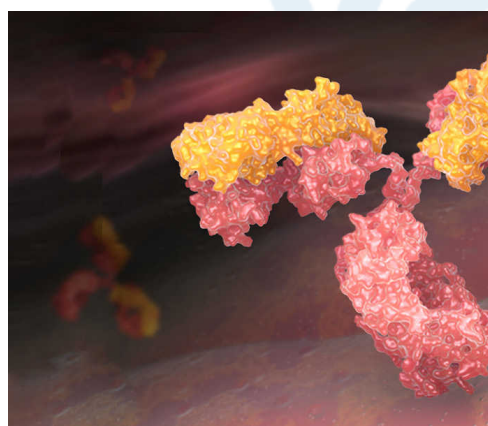
Protein Refseq: The length of the protein is 594 amino acids long.

The sequence is show below: MQPQEYMLRGKEMVEYIHQYLTGIRERRVVPDVQPGFMRPLLSSAPYEPEDWSTIMQDVENIIMPVGHVWQSP
HMHAYFPALNSWPSLL GDMLADAINCLGFTWASSPACTELEMVLDWLCKALGLPDHYLHHHPQSTGGGILQSTVSECTLVALLAARKDRILQM
KSEATHDTDES VLNSRLVAYASDQAHSSVEKAGLISLVKIRFLQTDVFSLRGETLQRAVEEDRRSGLIPVMVCATLGSTGVREGLWLHVDAAYA
GSALLC PELRYFLDGIQFADSFVFNPSKWMLVHFDCTAFVWKNMKLQQTFTVDPLYLRHDNSNATDFMHWQIPLSRRFRSLKLWFVIRSFGLKK
L QEHIRHGVEMAKLFESLVRNDTHFQIPAQRHLGLVVFCRAGNAATQELLRKLTRSGRMFLIPAAVGNQLILRFSVTSQLTTEQDIRRDW SLIQQA
AREVLQSGVVTRQPSVTSPESEPESLTIHTEPMLDQRLVRQGQRRAVRSYSCSAELPPAPGRTQTHRDAPLQLIPEQPERPQH RRLKFNVSVP
SLAQVWAQCGMQQLHHPFRRGLITSRASCFTCPPLPEGTPLPTK.

MO-AB-02272Y Monoclonal	Chicken (<i>Gallus gallus</i>)	WB, ELISA	MO02272Y	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 664 amino acids long. The sequence is show below: MEPEEYRRRGKEMVDYICQYLSNVRERRV
TPDVQPGYMRAQLPDSAPMDPDSWDNIFGDIEKIIMPVGHVWQSPHMHAYFPALTSWPSLL GDMLADAINCLGFTWASSPACTELEMNVMDWL
AKMLGLPDKFLHHHPDSVGGGVLQSTVSESTLVALLAARKNKILEMKLSEPDADESSL NSRLIAYASDQAHSSVEKAGLISLVKMKFLPVDFNSL
RGETLKAIAEDRKKGLVPIFVCATLGTTGVCAFDLSSELGPICGAEGLWLH IDAAYAGTAFLCPEFRLFLDGIYADSFANPSKWMMVHFDCTGF
VWKDKYKLHQTFVSNPVYLRHPNSGAADVFMHWQIPLSRRFRSLK LWFVIRSFVKKLQAHVRHGTETAKFFESLVRSDPLFEIPAKRHLGLVVF
RLKGPNWLTEKLLKELSSSGRLFLIPATIHDKFIIRFTVT SQFTTREDILQDWNIIQRTAAQIISQHNLHCVSSGDEAKIPNMISEPSSSVISHASQLYL

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
EGKYKIPSRKIVGQPKKLAASPSTCVVSQ QVQGGDLDDCFPEDVQDVTKHKLTSFLFSYLSVQGKKKTARSLSCNSVPMDDLLEQCNPKTTDS DQKEPHANGRILSRLPPEEVMMLKKS AFKKLIKFYSPSFSECSIQCGLQLPCCPLQAIV.						
MO-AB-13602 R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO13602 R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 658 amino acids long. The sequence is show below: MMEPEEYRERKGEMVDYICQYLTTVRERRVTPDVRPGYLRAQLPESAPMEPDSDWSIFGDIERIIMPGVVHWQS PHMHAYYPALTSWPSL LGDMLADAINCLGFTWASSPACTELEMNMDWLAKMLGLPEHFLHHHPGSQGGGVLQSTVSESTLIALLAARKNKILE MKASEPEADESF LNARLVAYASDQAHSSVEKAGLISLVKMKFLPVDENFSLRGEALQKAIKEDRERGLVPIFVCATLGTGVCADFDC.						
MO-AB-30799 H	Monoclonal	Purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	WB, ELISA	MO30799 C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 43 amino acids long. The sequence is show below: ADYLSTIRSRRTLPDVQPGYLKQLIPDHAPVNGDKWDDIMEDI.						
MO-NAB-0079 2W	Monoclonal	D. melanogaster (<i>Drosophila melanogaster</i>)	IF, IHC, IP, WB	NW0714	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.