

AibGenesis™ Mouse Anti-Mt-Nd4 Antibody (CBMOAB-25320FYA)

Cat. No.: CBMOAB-25320FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO25320FYA
Specificity	This antibody binds to fruit fly Mt-Nd4.
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	Mitochondrion; 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	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. (From uniprot, under CC BY 4.0)
Product Overview	Mouse Anti-D. melanogaster Mt-Nd4 Antibody is a mouse antibody against Mt-Nd4. It can be used for Mt-Nd4 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 153 amino acids long.
The sequence is show below: INKHNNYKNLFLNNIIILLLLILTFSSMSLFMFYLFESSLIPTLFLILGWGYQP
ERLQAGLYLLFYTLVSLPMLIGIFYVMNKIGSMNFYLMNNFMFNVDLLYFCLLCAFLVKMPMF LVHLWLPK
AHVEAPVSGSMILAGIMLKGGYGM.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-87736 FYA	Monoclon al	Zebrafish (<i>Danio rerio</i>)	WB, ELISA		MO87736F YA	Unconjugated; also available for Biotin; HRP; FITC and ot 100 μ her labeled form.	g

Protein Refseq: The length of the protein is 460 amino acids long.
The sequence is show below: MLKVLIPTIMLFPTIWLSSSKWLWTTTMMNSFLIAFISLTWLKWTSDTGWNASNSYMAADPLSTPLLVTWCWLLPLM
ILASQNHINSEPV NRQRMYYITLLASLQTFMIMAFGATKIIMFYIMFEATLIPTLIITRWGNQAERLNAGTYFLFYTLAGSLPLLVALLLLQQSTGTLSML
VL QYSDPLLLNSWGHKIWWAGCLIAFLVKMPLYGMHLWLPKAHVEAPVAGSMILAAVLLKGGYGMMRMMVMDPLSKQLAYPFIILALWGV IMT
GLVCLRQTDKSLIAYSSVGHMGLVAGGILIQTPWGFTGAILMIAHGLTSSALFCLANTSYERTHSRTMILARGLQMVLPLATVWW FIANLANLALP
PLPNLMGELMIITALFNWSPWTIIITGMGTLITANYSLYMLFTSQRGSIPHEHITNLSPSHTREHLLMTLHLIPIILLML KPELMWGWCN.

MO-AB-00829L	Monoclon al	Elephant (<i>Loxodonta afri cana</i>)	WB, ELISA		MO00829L	Unconjugated; also available for Biotin; HRP; FITC and ot 100 μ her labeled form.	g
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Protein Refseq: The length of the protein is 459 amino acids long. The sequence is show below: VLKTILPTIMLIPLAWFTSNMVMWINTTLYSF
AISLTSLLHYQPLDNSLNSPEFFLDLSLSTPLLILTIWLLPLMLIASQSHLSSGSTF QKKSYYITTIILLQVSLIMTFAATDLILLYIMFETTLIPTMVIITRW
GNQLERLNAGSYFLFYTLMGSLPLLVTMLIQTNLGSLNLMMLP YLIKPIDNLWSTNMLWLTCTMAFMVKMPLYGLHLWLPKAHVEAPIAGSMVLA
AILLKGGYGMLRITILLDPLTTHMYYPFLMLSLWGMV MSSSICLRQTDMSLIASSVSHMALVIIAIMLQTPWSFMGALTLMIAHGLTSSMLFCLA
NSNYERIHNRMTILARGLQTLPLMATWWL LASLINMAPPTINLIGELLIITTSFWSNLTFPMGLNLITTMYTLHMMTTTQRGKTSHHAKSIKPS
FTRENTLMALHFLPLLLLSLN PKIILGLTY.

MO-AB-08696W	Monoclon al	Cat (<i>Felis catus</i>)	WB, ELISA		MO08696W	Unconjugated; also available for Biotin; HRP; FITC and ot 100 μ her labeled form.	g
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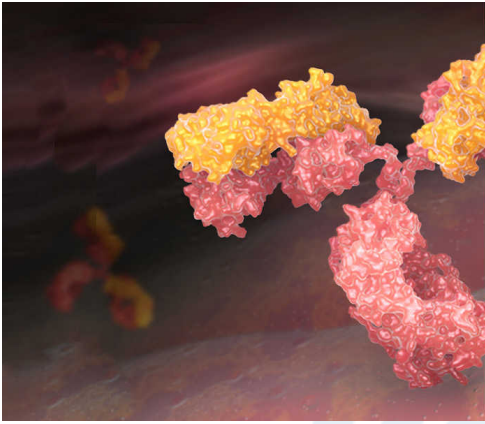
Protein Refseq: The length of the protein is 459 amino acids long.
The sequence is show below: MLKIIPTAMLMPMTCLSKPNMIWINSTTYSLLISLISLSYLNQLGGHSLNFSLLFFSDLSAPLLVLTWLLPLMLMA
SQSHLSKETPS RKKLYITMLTLLQLLLIMTFTATELIMFYILFEATLIPTLIITRWGDQTERLNAGLYFLFYTLVGSPLLVALLYIQNTTGTLNFLIIQ YW
AKPISTTWSNIFLWLACMMAFMVKMPLYGLHLWLPKAHVEAPIAGSMVLA VLLKGGYGMMRITVLLNPATNQMAYPFMMLSLWGMV MTSSICL
RQTDKSLIAYSSVSHMALVIVAVLIQTPWSYMGATALMIAHGLTSSMLFCLANSNYERVHSRTMILARGLQTLPLMAAWWL LASLANLALPPTINLI
GELFVVMASFSWSNMTIILMGTNIIITALYSYMLIMTQRGKYTHHIKNINPSFTRENALMALHLLPLLLLSLN PKIVLGPIY.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-08890Y	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)		WB, ELISA	MO08890Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 459 amino acids long. The sequence is show below: MLKTIIPTIMLIPTVWWSKPHMIWINATVYSL LISLTTLSELLNQPSDTNLFSTTFFSDALSTPLLMLTTWLLPLMLASQHHLDKETLT RKKIYISLLISLQVFLVMTFSATEFILFYILFEATLIPTLIITRW GNQTERLNAGTYFLFYTLMGSLPLLVALIYLQNSMGSLNFFLLQ LMNKSITTSWSNSLMWLACMMAFLVKMPYGLHLWLPKAHVEAPIAGSMVL AAILLKGGYGMMRITILLSPITDYMAYPFLMLSLWGM MTSSICLRQTDKSLIAYSSVSHMALVIVAILIQTPWSFMGATALMIAHGLTSSLLFCLAN SNYERIHRSRTMLLARGLQTLPLMAAWWL VASLTNLALPPTINLLGELLIIMASFSWSNLTIILMGTVNLITALYSLYMLSTTQRGKFTYHTNNISPTFT RENTLMVLHLAPLLLLSIS PKIILGLMF.							
MO-AB-16182R	Monoclonal	Cattle (<i>Bos taurus</i>)		WB, ELISA	MO16182R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 459 amino acids long. The sequence is show below: MLKYIIPITIMLPLTWLSKNNMIWVNSTAHSLLISFTSLLLMNQFGDNSLNFSLLFFSDSLSTPLLILTMWLLPLMLM ASQHHSKENLT RKKLFITMLISLQLFLIMTFTAMELILFYILFEATLVPTLIITRWGNQTERLNAGLYFLFYTLAGSLPLLVALIYIQTNTVGSNLFLMLQ YWVQPVHNSWSNVFMWLACMMAFMVKMPYGLHLWLPKAHVEAPIAGSMVLA AVLKGGYGMLRITLILNPMTD.							
MO-AB-31844W	Monoclonal	Dog (<i>Canis lupus familiaris</i>)		WB, ELISA	MO31844W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 459 amino acids long. The sequence is show below: MLKIIPTIMLIPLTWMSKPNMIWINTTTYGLLISLISLFYLNQPNNTLNSSLMFFSDLSAPLLALTWLLPLMLMAS QHHSKEPLT RKKLYISMLILLQLFLIMTFTASELIFFYILFEATLIPTLIITRWGNQTERLNAGLYFLFYTLMGSLPLLVALIYIHNFMGSNLFLMIQ YWI QPLPNSWSNIFLWLACMMAFMVKMPYGLHLWLPKAHVEAPIAGSMVLA AVLKGGYGMMRITLLNPLTNFMAYPFMMSLWGM MTSSICLR QTDKSLIAYSSVSHMALVIVAVLIQTPWSYMGATALMIAHGLTSSMLFCLANSNYERIHRSRTMILARGLQTLPLMAAWWL LASLTNLALPPTINLIG ELFVVMSSFSWSNITIILMGINIITALYSLYMLITTQRGKYSHHIKNIKPSFTRENALMTLHLLPLLLSLN PKIILGPIY.							
MO-AB-34274W	Monoclonal	Donkey (<i>Equus asinus</i>)		WB, ELISA	MO34274W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 459 amino acids long. The sequence is show below: MLKIIPTIMLPLTWLSKKNMIWINTTTYSLISLISLSLLNQPNNSLNFSLMFFSDPLSAPLLVLTWLLPLMLMAS QHHSKEPLI RKKLYITMLAMLQTFLIMTFTATELISFYILFEATLVPTLIITRWGNQTERLNAGLYFLFYTLVGSPLLLVALISIQNLTGSLNFLLIQ YWN QALPDWSNIFLWLACMMAFMVKMPYGLRLWLPKAHVEAPIAGSMVLAAILLKGGYGMLRITMMLNPQTNFMAYPFLMMSLWGM MTSSICLR QTDKSLIAYSSVSHMALVIVAVLIQTPWSYMGATALMIAHGLTSSMLFCLANSNYERTHSRTMILARGLQTLPLMAAWWL LASLTNLALPPSINLI GELFVVMSSFSWSNITIILMGANITITALYSLYMLITTQRGKYTHHINSIKPSFTRENALMALHMTPLLLSLN PKIILGFTY.							

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-45580W	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO45580W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 459 amino acids long.

The sequence is show below: MLKIIPTIMLMPLTWLSKKNMIWINTTTYLLISLISLSLLNQPSNNSLNFSLMFFSDPLSAPLLVLTWLLPLMLMAS QHHLSKEPLI RKKLYITMLTMLQTFLIMFTATELISFYILFEATLVPTLIIITRWGNQTERLNAGLYFLFYTLMGSLPLLVALISIQNLTGSLNFLLIQ YW NQALPDSWSNIFLWLACMMAFMVKMPVYGLHLWLPAHVEAPIAGSMVLAAILLKGGYGMLRITTMLNPQTSFMAYPFLMLSLWGMIMTSSICLRQTDLKSLIAYSSVSHMALVIVAVLIQTPWSYMGATALMIAHGLTSSMLFCLANSNYERTHSRTMILARGLQTLPLMAAWWL LASLTNLALPPSINLIGELFVVMSSFSWSNITILMGANITITALYSLYMLITTQRGKYTHHINSIKPSFTRENALMALHMTPLLLLSLN PKIILGFTY.



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.