

AibGenesis™ Mouse Anti-AOC3 Antibody (CBMOAB-2176FYC)

Cat. No.: CBMOAB-2176FYC

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO2176FC
Specificity	This antibody binds to Arabidopsis AOC3.
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	Chloroplast; Plasma Membrane; Vacuole

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 semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants. (From NCBI)
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Product Overview

Mouse Anti-Arabidopsis AOC3 Antibody is a mouse antibody against AOC3. It can be used for AOC3 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 258 amino acids long. The sequence is show below: MASSSAAMSLESISMTTLNNLSRNHQSHRSSLLGFSRSFQNLGISSNGPDFSSRSRSTTS KNLNVTRAFFWNWGKKTENSRPSKIQELNVYELNEGDRNSPAVLKLGKKPTELCLGDLVP FTKNLYTGDLKKRVGITAGLCVLIQHVPKESGDRFEASYSFYFGDYGHLSVQGGQYLTIED TFLAVTGGSGIFEGAYGQVKLRQLVYPTKLFYTFYLGKLANDLPLELTGTAVTPSKDVKP APEAKAMEPSGVISNFTN.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-35915 FYA	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO35915F YA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 763 amino acids long.

The sequence is show below: MNQKTILVLLTAVITIFALVCVLLVGRGGDGGEPSQLPHCASISPSAQPWTHPGQSOLFADLSREELTAVMHFLTQRLGPGLVDAQAAR PSDNCVFSVELQLPPKTAALAHLDRGSPPPAREALAIFFGRQPQPNVSELVVGPLPHPSYMRDVTVERHGGPLPYHRRPVLFREYLDID QMIFDRELPPQASGLLHHCCFYKRRGRNLVTMTTAPRGLQSGDRATWFGLYYNISGAGFFLHPVGLELLVNHKALDPAWRTIQKVIFYQGRY YDSLAQLEAQFEAGLVNVVLIPDNGTGGSWSLKSPVPPGPAPPLQFHPQGPRFSVQGRRVASSLWTFSGGLGAFSGPRIFDVRFGGERLV YEISLQEALAVYGGNSPAAMMTRYVDGGFGMGKYTTLTRGVDCPYLATYVDWHFLLESQAPKTIRDAFCVFEHNQGLPLRRHHSNLYSH YFYGGLAETVLVRSVSTLLNYDYVWDMVFHPSGAIETRFYATGYISSAFLFGATGKYGNQVAEHTLGTVHTSAHFKVLDLVGGLENWVW AEDMVFPMAVPWSPEHQLQRLQVTRKLTETEEQAFLVGGTTPRYVYLASNHSNKWGHPRGYRIQMLSFAGEPLPQNSSMARGFSWERY QLAVTQRK EEEPPSSSSVFNQNDPWAPTVDFSDFINNETIAGKDLVAWVTAGFLHIPHAEDIPNTVTVGNGMGFFLRPYNFFDEDPSTFYSA DSIHFRGDQDAEA CEVNPLACLPPQAAACAPDLPAFSGHGGFSGHN.

MO-AB-00087L	Monoclonal	Elephant (<i>Loxodonta africana</i>)		WB, ELISA	MO00087L	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 762 amino acids long. The sequence is show below: MNQKATLVLLALAVITIFALVCVLIAGRGGDGETSQPPHCPSESPSAQPWTQPGQSOLFADLSREELTAVISFLTQHILGPGLVDAQAAR PSDNCVFSVELHLPPKVAALAHLDRGSPPPAREALAIIFFGAQAQPNVSELVVGPLPRPSYVRDVTVERYGGPLPYHRRPVLAREYLDID HMIFNRELPPQAAGLLHHCCFYKPKARNLVIMITAPCGLQSGDRATWFGLYYNISGSGIFLHPVGLELLVDHKALDPAHWTIQKVIFYQGRY YDSLAQLEDQFEAGLVNVVLIPNNGTGGSWSLKSRVPPGPAPPLQFYQQGPRFSVQGSQVSSSLWTFSGGLGAYSGPRIFDVRFGGERLA YEISLQEALASYGGNSPAAMVTHYMDGSYGMGYSTPLTRGVDCPYLATYVDWHFLLESQAPKTLRDAFCVFEQNQGLPLRRHHSNLYSH YFGGLAETVLIVRSVSTLLNYDYVWDMVFHPNGAIEVRFYATGYISSAFLFGAAQRYGNRVGEHTLGTVHTSAHFKVLDIAGLENWVW AEDMAFVPTAVPWSPQHQQRLQVTRKLTETEEQAAPPLGGAAPRYLYLASNHSNKWGH

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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PQGYRIQVLSFAGEPLPQSSSMERAISWGRY QLAVTQRKEEEPRSTSIYNQNDPWPTPTVAFADFINNETIAGEDLVAWVTAGFLHIPHAEDVPNTV
TVGNSVGFFLRPYNFFDEDPSPFDSA DSVYFREDQDAGACEVNPLACLHQSAACAPDLPAFSHGGFSH.

MO-AB-01454H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO01454C	Unconjugated; also available for Biotin; HRP; FITC and ot 100 µg her labeled form.	g
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Protein Refseq: The length of the protein is 759 amino acids long.

The sequence is show below: MNIKFVITLLILSLATIVILSVLLLGSKQKPCGHGNPASPQLKHNGQSLVFADLTPEELTEVKEYLKKKFTVVDISKAE
PNSNCIYSVV LQLPHKKDVLLYLDKGGPKPAREALAVVYFGNQEKPGVKEFVVGPLPNPSYCNDITLKKYNRPIAYYRRPVTSTNEYVQVGKFVTN
KEFPK AMNFLKEVLGYDGDGDYFGILTSAPRGLKSGDRSTWFGIFYNTQSGSGFYIHPTGLELLVNHKQLDMSKWSIEKVFYNGKYLENLDELEV
QYKQGVLVKVKMKRPQPHEDFGSLKPTKSTVTDIPMQFEPKGHRYSVKNNQVLFQHWSIAFGINVNSGPSLYDVRFKGERIVYELSIQEA ISVYG
SDGPTGMVTRYMDGYFGIGRFLYQLVRGIDCPYFATYVDTHYLLDSDTYVRNKDSICIFELNTGLPLRRHSSALGSFYYGGLANT VLVVRSIATLG
NYDYVFDFMFYQNGAIETKVHATGYISSSFYMEGGNNGNRVGPHTLGTIHTHFINYKVDLDVGGTNNNSVVAHDMFEFA VEPWWSSEGQIQRT
LTKKVLNENQTADELHGSMPTIYQFASDKKNKWEHDSYRIQMVSFAGDFLPETSPVHNAINWAKYKLAVTKRK DEEPQSSSIYNQNDPWSPT
VKFSSFINNENIKNEDLVAWITAGFLHIPHAEDIPNTVTAGNGVGFYLRPYNYFNEDPSVHSHDAVYFQPH ESYNSCSTNPLACLRDTASCAPQFP
EFSYNGFDNTFVAI.

MO-AB-07423R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO07423R	Unconjugated; also available for Biotin; HRP; FITC and ot 100 µg her labeled form.	g
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Protein Refseq: The length of the protein is 783 amino acids long.

The sequence is show below: MNQKTTLVLLALAVITIFALVCVLIAGRGGDGGEASQPHYCPSGTPSVQPWTHPGQNQLFADLSREELTAVMSFLT
QKLGPDLADAAQAR PSDNCIFSVELQLPPKAAALAHLDRRSPPPAREALAIVFFGGQPQPNVTELVGPLPQPSYMRDVTVERHGGPLPYRRP
VLLREYLDID QMIFNRELQAAGVLHHCCSYKQGGGNLVTMTAPRGLQSGDRATWFGLYYNISGAGYYLHPVGLELLVDHKALD.

MO-AB-08810W	Monoclonal	Cat (<i>Felis catus</i>)	WB, ELISA	MO08810W	Unconjugated; also available for Biotin; HRP; FITC and ot 100 µg her labeled form.	g
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Protein Refseq: The length of the protein is 763 amino acids long.

The sequence is show below: MNQKTTLVLLALAVITIFALVCVLLAGRGGDGGEPPGQPPRCPSVSPSAQPQTPPSQSQLFADLSPEELTAVMSFLT
QQLGPGLVDAAQAR PSDNCVFSVELQLPPKAAALAHLDRGSPPPAREALAIVFFGGQPRPNVSELVVGPLPHPSYLRDVTVERHGGPLPYHRRP
VLMREYRDIH QLIFDRELQAAGLLHHCCFYKRQGRNLVAMNTAPRGMQSGDRATWFGLYYNISGAGFFLHPVGLELLVDHKALEPAHWTIQKVF
FQGRY YESLAQLEDQFEAGLVNVVLIPDNGTGGSWSLKSQVPRGSPPLQFHPQGPRFSVQGSQVASSLWTFSGLGAFGSPRIFDIRFRGERL
A YEISLQEALAIYGGNSPSALRSRYTDGGFGLGHFSSTLTRGVDCPYLATYVDWHFLLESQTPKTIRDAICVFEQNQGLPLRRRHSDIYSQ YFGG
LAETVLVLRVSTMLNYDYVWDMVFHANGAIEVRFHATGYISSAFLGAARRYGNQVGEHTLGTVHTSAHFKVDLDVAGLENWWW AEDTSYVP
TAVPWSPEHQMQRLQVTRKLLETEEQAAPLGGTPPRYVYLASNHSNKWGHPRGYRIQMLSFAGEPLPQNSSMERAFSWGRY QLAVTRKEE

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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EPSSTSIYNLNDPWTPTVDFTDFINNETIAGQDLVAWVTAGFLHIPHAEDIPNTVTVGNGVGFFLRPYNFFDQDPSFDSP DSVYFREDQDAGACE
VNPMACLPQAAACAPDLPAFSHGGFSHS.

MO-AB-21049W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO21049W	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 763 amino acids long.

The sequence is show below: MNQKTILVLLILAVITIFALVCVLLVGRGGDGGEPSQLPHCPSVSPSAQPWTHPGQSQLFADLSREELTAVMRFLTQ
RLGPGLVDAAQAR PSDNCVFSVELQLPPKAAALAHLDRGSPPPAREALAIFFGRQPQPNVSELVVGPLPHPSYMQDVTVERHGGPLPYHRRP
VLFQEYLDID QMIFDRELPAQAGLLHHCCFYQRRGRNLVTMTTAPRGLQSGDRATWFGLYYNISGAGFFPHHVGLELLVNHKALDPARWTIQKVF
YQGRY YDSLAQLEAQFEAGLVNVVLIPDNGTGGSWSLKSPVPPGPAPPLQFYPPQGRFSVQGSRVASSLWTFSGGLGAFSGPRIFDVRFQGER
LV YEISLQEALAIYGGNSPAAMTTRYVDGGFGMGKYTTPLTRGVDCPYLATYVDWHFLESQAPKTIRDAFCVFEQNQGLPLRRHSDLYSH YF
GGLAETVLVVRSMSTLLNYDYVWDTVFHPSGAIEIRFYATGYISSAFLGATGKYGNQVSEHTLGTVHTHSAHFKVDLDVAGLENVWW AEDMVF
VPMAPWSPPEHQLQRLQVTRKLEETEEQAFLVGSATPRYLYLASNHSNKWGHPRGYRIQMLSFAGEPLPQNSSMARGFSWERY QLAVTQRK
EEEESSSSVFNQNDPWAPTVDFSDFIN.

MO-AB-28976W	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO28976W	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 767 amino acids long.

The sequence is show below: MNQKTTLVLLALAVITIFALVCVLLAGRGGDGGEPGQPLHCPAVSPSAQPWTHPGQSQLFADLSREELTAVMSFLT
QQLGPGLVDAAQAR PSDNCVFSVELHLPPKAAALAHLDRGSPPPAREALAIFFGGQPQPNVSELVVGPLPHPTHLRDVTVEHHGGPLPYHRRP
VLIREYLDID QLIFDRELPAAGLLHHCCFYKQGRNLVTMTTAPRGLQSGDRATWFGLYYNISGAGFFLHPVGLLELLVDHKALDPARWTIQKVF
QGRY YDSLAHLEDQFEAGLVNVVLVPDNGTGGSWSLKSQVPPGPAPPLQFLPQGRFSVQGSRVSSSLWTFSGGLGAFSGPRIFDIRFQGERL
A YEISLQEALAIYGGNSPAAMLTRYIDGSFGMGKYSTPLTRGVDCPYLATYVDWHFLESHTPKTIRDAICVFEQNQGLPLRRHSDFYSH YFGG
LAETVLILRSVSTLLNYDYLWDMVFHPNGAIEVRLHATGYISSAFLFGAARRYGNQVREHTLGTVHTHSAHFKVDLDVGLENVWW AEDMTYVP
TAVPWSPEHQMQLQVTRKLEETEEQAAPLGGTPPRYVYLASNHSNKWGHPRGYRIQLLSFAGEPLPQNSSLERAFSWGRY QLAVTQRKEEE
PSSTSIYNQNDPRAPTVDFAFINNETIAGEDLVAWVTAGFLHIPHAEDVPNTVTVGNAVGGFFLRPYNFFDQDPSFDSA DSVYFQGNQDAGACEV
NPLACLPQSAACAPDLPAFSHGGFSHNFMFAF.

MO-AB-31033H	Monoclonal	Soybean (<i>Glycine max</i>)	WB, ELISA	MO31033C	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 257 amino acids long.

The sequence is show below: MASSSTVALRTISSFSLKPATTTSSLNTSTSSITLLPFTSANSFLSKTLKNTSSPHSHLSLPLNKSFTCRSQAE

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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PSSDSAKVQELS VYEINERDRGSPAYLRLSQKTVNSLGLDLPFNSKLYSGCLQKRVGITAGICVLIQNKSEKKGDMYEAISFYFGDYGHISVQGS
YLTIED TYLAVTGGSGIFEGAYGQVKLHQVFPFKLFYTFYLKGIKDLPELLSKPVEPSPSVEPSAKACEPHAVIAGFTD.

MO-AB-41246W	Monoclonal	Guinea pig (<i>Cavia porcellus</i>)	WB, ELISA	MO41246W	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 751 amino acids long.

The sequence is show below: MNQKTTLVLLALAVITIFVLVCVLLAGRSGDGGQSPKPPSCPLAPHPAQAHHPDPGQLFADLSPEELEAVMGFLT
PRLGPGLVDAAQAQ PSDTCIYSVELQLPPKAAALAYLEGRSPPTREALAIVFFGAQTQPNVSELLVGPLPRPSYLRDVTVQRYGGPLPYHRRPV
LTREYQDID HMIKQELPKVAGLLHYCCSYTPQGGRLVTVTAPRGLQSGDRATWFGLYYNISGTGIFLHPVGLELLVDHGALDPARWTVQKVFF
QGHY YDSLAQLEDKFVAGQVKPVQVPDKGTGGAWSLKSPVPPGPAPPLQFHPEGPRFSVQGSCVTSSLWTFSLGLGTFSGPRVDFIRFQGERI
A YEVSVQEALAVYGGNSPAGVLTHYLDGSGFGRFSTPLTRGVDCPYLATYMDWHFLVESQGPRTRDALCVFEQNQGLPLRRHHSPLYSH YY
GGVVDTVLVRSLATLLNYDYVWDMIFHPNGAIEVKVHATGYISSSFLGFDARLYGNRVGEHTLGTVHTHSVHFVLDLDTGPENWAW AEDLAFV
PETLPWRPEQQIQLQVTRKLEETEEQAAPPLGRATPRYLYLTNSHNSKNWGHRLRGYRVQPLGSPGKLLPENSSMAGAFSWGRY QFAVTRRKEA
EPKSSSIFNQNDPWTPTVNFADFINKETIQGEDLVAVWVTAGFLHIPHSEDVPNTVTVGNGVGFFLRPNFFDEDPFSRST DSVYFQGEQDASVCE
LSPYVPPYSHGGFLHH.

MO-AB-43688W	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO43688W	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 763 amino acids long.

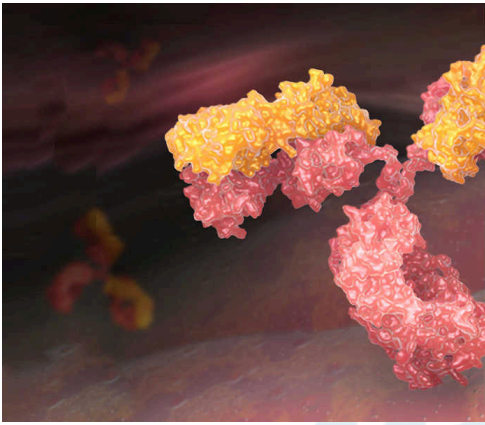
The sequence is show below: MNQKTTLVLLALAVITIFALVCVLLAGRGRDGGEVSPPPHCPSPSAQPWTHPGQSQLFADLSREELTAVMSFLT
QQLGPGLVDAAQAR PSDNCVFSVELQLPPKAAALAHLDRGSPPPAREALAIVFFGGQPQPNVSELVVGPLPRPSYMRDVTVERHGGPLPYR
PMSIREYLDID QMIFDRELPAAGLLHCCFYKHQERNLATMPTAPSGLQSGDRATWFGLYYNISGAGFYLHPVGLELLVDHKALDPARWTIRKVF
FQGRY YESLAQLEDQFEAGLVNVVLPDNGTGGSWSLKSQVPPGPAPPLQVHPEGPRFSVQGNRVVSSLWTFSGFLGAYSGPRIFDIRFRGER
LA YEISLQEASAVYGGNSPASMTRYMDGSYGMGKFSTPLTPGVDCPYLATYMDWHFLLESQEPKTIHDAFCVFEQNQGLPLRRHHSDFSSH Y
FGGLVETVLVRSVSTLLNYDYVWDMVFHSSGAIEVKFHTTGYISSAFLGTARRYGNQVGEHTLGTIHTSAHFKVDLDVGLENWWW AEDMA
FDLTSVPWSPEHQIQRMRVTRKLEETEEQAAPPLGGTHPRYLYLASHNSKNWGHPRGYRIQMLSFAEPLPRNSSMERAFSWGRY QLAVTQRK
EEEPRSTSIFNQNDPWTPTVDFTDFINNETIAGKDLVAWVTAGFLHIPHAEDVPNTVTVGNGVGFFLRPNFFDQDPSFDSA DAVYFRGDQDAGA
CEVNHLACLPEAAACVPNLPAFSGGFSRN.

MO-AB-50975W	Monoclonal	Marmoset	WB, ELISA	MO50975W	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 763 amino acids long.

The sequence is show below: MNQKTILALLALAVITIFALVCVLLVGRGEDGGEPSQLLHCPSPSAQPWPHPGQSQLFADLSREELTAVMRFLTQ

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
RLGPGLVDAAQAQ PSDNCVFSVELQLPPKVAALAHLDGRSPRPAREALAIVFFGGQPQPNVSELVVGPLPHPSYMRDVTVERHGGPLPYHRRP VLFREYLDID QMIFDRELQASGLLHHCCFYKPRGRNLVTMTTAPRGLQSGDRATWFGLYYNISGAGIFLHHVGLELLVDHKALDPARWSIQKVFY QGRY YDSLAQLEAQFEAGLVNVVLIPHNGTGGSWSLKSPVPPGPAPPLQFYQGGPRFSVQGSRTVSSLWTFSGGLGAYSGPRIFDVRFQGERL A YEISLQEALAIYGGNSPAAVMTRYVDGSFGMGKYSTPLTRGVDCPYLATYVDWHFLLESQVPKTIRDAFCVFEQNQGLPLRRHSDLYSY YFG GLAEMVLVIRSVSTLLNYDYVWDMVFYPNGAIEIRFHATGYISSAFLFGSTGKYGNQVAEHTLGTVHTSAHFKVLDLVAGLENWWW AEDMAFVP MAVPWSPEHQMQRLQVTRKLLETEEQAAFPVGGATPRYLYLASNHSNKWGHSGRGYRIQMISFSGEPLQNSSMERGFSWERY QMAVTQRKEE EPSSTSIYNLNDPWPTPTVDFTDFINNETIAGQDLVAWVTAGFLHIPHAEDIPNTVTVGNGVGFFLRPYNFFDEDPSPFYSA DSIYFREDQDAGACEV NPLACLPQAAACAPDLPAFSGHGGFSHN.						



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.