

## AibGenesis™ Mouse Anti-AGO4 Antibody (CBMOAB-1844FYC)

Cat. No.: CBMOAB-1844FYC

### Specifications

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| Host species          | Mouse ( <i>Mus musculus</i> )                                                   |
| Clone                 | MO1844FC                                                                        |
| Specificity           | This antibody binds to Arabidopsis AGO4.                                        |
| Format                | Liquid or Lyophilized                                                           |
| Storage               | Store at 4°C: short-term (1-2weeks)<br>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                                                                         |

### Application-Information

|                   |                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| Application       | WB, ELISA                                                                                                                  |
| Application Notes | ELISA: 1:1000-1:3000<br>Other applications are to be developed. The optimal dilution should be determined by the end user. |

### Target

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Mouse Anti-Arabidopsis AGO4 Antibody is a mouse antibody against AGO4. It can be used for AGO4 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.                                                                                                                                                                                                                                                                                                                                |
| Protein Refseq   | The length of the protein is 924 amino acids long. The sequence is show below: MDSTNGNGADLESANGA<br>NGSGVTEALPPPPVIPPVNPVVRVKTELAEEKKGPVRVPMARK GFGTRGQKIPLLTNHFKVDVANLQGHFF<br>HYSVALFYDDGRPVEQKGVGRKILDKVHQTYH SDLDGKEFAYDGEKTLFTYGALPSNKMDFSVLEEVS<br>A<br>TRANGNGSPNGNESPSDGDGRKR LRRPNRSKNFRVEISYAAKIPLQALANAMRGQESSENSQEAIRVLDIILR<br>QHAARQGCLLV RQSFFHNDPTNCEPVGGNILGCRGFHSSFRTTQGGMSLNMDVTTTMIKPGPVVDFLIA<br>N QNARDPYSIDWSKAKRTLKNLRVKVSPSGQEFKITGLSDKPCREQTFELKKRNPNGEF ETTEVTVD |

YFRDTRHIDLQYSADLPCINVGKPKRPTYIPLELCALVPLQRYTKALTTFQ RSALVEKSRQKPQERMTVLSK  
 ALKVSNYDAEPLLRSCGISISSNFTQVEGRVLPAPKLKM GCGSETFPRNGRWNFNNKEFVEPTKIQRWVV  
 VNFSARCNRQVVDLIKIGGSKGIEIAS PFQVFEEGNQFRRAPPMIRVENMFKDIQSKLPQVQFILCVLP  
 DKKNSDLYGPWKKKNTL EFGIVTQCMAPTRQPNQYLTNLLKINAKLGGLNSMLSVERTPAFTVISKVPTII  
 LGMD VSHGSPGQSDVPSIAAVVSSREWPLISKYRASVRTQPSKAEMIESLVKKNGTEDDGIKE LLVDFYTS  
 SNKRKPEHIIIFRDGVSESQFNQVLNIELDQIIIEACKLLDANWNPKFLLLVA QKNHHTKFFQPTSPENVPPGTI  
 IDNKICHKPNDFYLCAGHAGMIGTRPTHYHVLVDEIG FSADELQELVHLSYVYQRSTS AISVVA PICYAHL  
 AAAQLGTFMKFEDQSETSSSHGGIT APGPISVAQLPRLKDNVANSMFCC.

## Reference

### Reference

1. Baumberger, N., & Baulcombe, D. C. (2005). Arabidopsis ARGONAUTE1 is an RNA Slicer that selectively recruits microRNAs and short interfering RNAs. *Proceedings of the National Academy of Sciences*, 102(33), 11928-11933.
2. Ebhardt, H. A., Tsang, H. H., Dai, D. C., Liu, Y., Bostan, B., & Fahlman, R. P. (2009). Meta-analysis of small RNA-sequencing errors reveals ubiquitous post-transcriptional RNA modifications. *Nucleic acids research*, 37(8), 2461-2470.

| Sub Cat    | Clonality  | Species                          | Reactivity | Application | Clone   | Conjugate                                               | Size |
|------------|------------|----------------------------------|------------|-------------|---------|---------------------------------------------------------|------|
| CBMOAB-652 | Monoclonal | Zebrafish ( <i>Danio rerio</i> ) |            | WB, ELIS    | MO65211 | Unconjugated; also available for Biotin; HRP; FI 100 µg |      |
| 11FYA      | Y          |                                  |            | A           | FYA     | TC and other labeled form.                              | g    |

**Protein Refseq:** The length of the protein is 874 amino acids long.

The sequence is shown below: MEALGPGPPAPTSLSFQPPRRPGLGTVGKPIRLLANHFQVQIPKIDVYHYDIDIKPEKPRRRVNREVVDTMVRHFK  
 MQIFGDRQPGYDGKR NMYTAHPLPIGRDRVDLEVTLPGEKGDQTFKVSLSQWVSVSLQMLLEALSGHLNEVPEDSVQALDVITRHLPSMRYTP  
 VGRSFFSPPEGY YHPLGGGREVWFGFHQSVRPAMWNMMLNIDVSATAFYRAQPVIEFMCEVLDIQNINEQTKPLTDSQRVKFTKEIRGLKVEVT  
 HCGQMKRK YRVCNVTRRPASHQTFPLQLENGQAMECTVAQYFKQKYSLSLQKYPHLPCLQVGOEQKHTYLPLEVCNIVAGQRCIKKLTNDQST  
 MIKAT ARSAPDRQEEISRVLKSNMVGPDYPYLKEFGIVVHNDMTEVTGRVLPAPMLQYGGRVSTDTGRDCSRNKTATPNQGVWDMRGKQFY  
 AG IEIKVWAVACFAPQKQCREDLLKSFTDQLRKISKDAGMPIQGQPCFKYAQGADSVPEPMFKHLKMSYVGLQLIVVILPGKTPVYAEVKRV GDT  
 LLGMATQCQVQKNVVKTSPTLSNLCLKINAKLGGINNVLVPHQRPSVFQQPVIFLGADVTHPPAGDGKKPSIAAVVGSMDGHPSRY CATVRVQT  
 SRQDLSQEQLFSQEVIQDLTNMRELLIQFYKSTRFKPTRIYYRGGVSEGQMKQVAWPELIAIRKACISLEEDYRPGITYI VVQKRHHTRLFCSDK  
 AERVGKSGNPAGTTVDSTITHPSEFDLYLCSHAGIQGTSRPSHYHVLWDDNCFTADELQLLTYQLCHTYVRCTR SVSIPAPAYYARLVAFRARYH  
 LVDKDHDSAEGSHVSGSQSNGRDPQALAKAVQIHYDTQHTMYFA.

|             |            |                                                        |  |          |         |                                                         |   |
|-------------|------------|--------------------------------------------------------|--|----------|---------|---------------------------------------------------------|---|
| MO-AB-06269 | Monoclonal | <i>O. anatinus</i> ( <i>Ornithorhynchus anatinus</i> ) |  | WB, ELIS | MO06269 | Unconjugated; also available for Biotin; HRP; FI 100 µg |   |
| Y           | Y          |                                                        |  | A        | Y       | TC and other labeled form.                              | g |

| Sub Cat | Clonal<br>ity | Species Reactivity | Applicat<br>ion | Clone | Conjugate | Size |
|---------|---------------|--------------------|-----------------|-------|-----------|------|
|---------|---------------|--------------------|-----------------|-------|-----------|------|

**Protein Refseq:** The length of the protein is 794 amino acids long. The sequence is show below: MVRHFKMQIFGDRQPGYDGKRNMYYTAHPLPIGRDRVDMEVTLPGEGKDQTFKVSQWVSVSLQLLLEALAGHLNEVPEDSVQALDVITRHLPSMRYTPVGRSFFSPPEGYYHPLGGGREVWFGFHQSVRPAMWNNMMLNIDVSATAFYRAQPIIEFMCEVLDIQNINEQTKPLTDSQRVKFTKEIRGLKVEVTHCGQMKRKYRVCNVTRRPASHQTFPLQLENGQAMECTVAQYFKQKYSLQLKYPHLPCLQVGQEQKHTYLPLEVCNIVAGQRCIKKLTNDQTSTMIKATARSAPDRQEEISRLVKSNSMVG GDPYLKEFGIVVHNEMTELTGRVLPAPMLQYGGRNKTVPATPNQGVWDMRGKQFYAGIEIKVWAVACFAPQKQCREDLLKSFTDQLRKISKDAGMPIQGQPCFCKYAQGADSVPEPMFKHLKMTYVGLQLIVVILPGKTPVYAEVKRVGDTLLGMATQCVQVKNVVKTSPTLSNLCLKINAKLGGINNV LVPHQRPVSFQQPVIFLGADVTHPPAGDGKKPSIAAVVGSMDGHPSTRYCATVRVQTSRQETSQELLYSQEVIQDLTNMRELLIQFYKSTRFKPTRIIYYRGGVSEGQMKQVAWPELIAIRKACISLEEDYRPGITYIVVQKRHHTRLFCADKTERVKGSGNPAGTTVDSTITHPSEDFYLCSHAGIQGTSRPSHYQVLWDDNCFTADELQLLTYQLCHTYVRCTRSVSIPAPAYARLVAFRARYHLVDKDHDSAEGSHVSGQSNRDPQALAKAVQIHHDQHTMYFA.

|                                         |     |  |                                                                         |   |                            |
|-----------------------------------------|-----|--|-------------------------------------------------------------------------|---|----------------------------|
| MO-AB-07115 Monoclo                     |     |  | WB, ELIS MO07115 Unconjugated; also available for Biotin; HRP; FI 100 µ |   |                            |
| Rabbit ( <i>Oryctolagus cuniculus</i> ) |     |  |                                                                         |   |                            |
| Y                                       | nal |  | A                                                                       | Y | TC and other labeled form. |

**Protein Refseq:** The length of the protein is 861 amino acids long. The sequence is show below: MEALGPGPPTSLFQPPRRPGLGTGVGKPIRLANHFQVQIPKIDVYHYDVIDIKPEKRPRRVNREVVDTMVRHFKMQIFGDRQPGYDGKRNMYYTAHPLPIGRDRVDMEVTLPGEGKDQTFKVSQWVSVSVSLQLLLEALAGHLSEVPDDSVQALDVITRHLPSMRYTPVGRSFFSPPEGYYHPLGGGREVWFGFHQSVRPAMWNNMMLNIDVSATAFYRAQPIIEFMCEVLDIQNINEQTKPLTDSQRVKFTKEIRGLKVEVTHCGQMKRKYRVCNVTRRPASHQTFPLQLENGQAMECTVAQYFKQKYSLQLKYPHLPCLQVGQEQKHTYLPLEVCNIVAGQRCIKKLTNDQTSTMIKATARSAPDRQEEISRLVKSNSMVG GDPYLKEFGIVVHNEMTELTGRVLPAPMLQYGGRNKTVPATPNQGVWDMRGKQFYAGIEIKVWAVACFAPQKQCREDLLKSFTDQLRKISKDAGMPIQGQPCFCKYAQGADSVPEPMFKHLKMTYVGLQLIVVILPGKTPVYAEVKRVGDTLLGMATQCVQVKNVVKTSPTLSNLCLKINAKLGGINNV LVPHQRPVSFQQPVIFLGADVTHPPAGDGKKPSIAAVVGSMDGHPSTRYCATVRVQTSRQEI SQELLYSQEVIQDLTNMRELLIQFYKSTRFKPTRIIYYRGGVSEGQMKQVAWPELIAIRKACISLEEDYRPGITYIVVQKRHHTRLFCADKTERVKGSGNPAGTTVDSTITHPSEDFYLCSHAGIQGTSRPSHYQVLWDDNCFTADELQLLTYQLCHTYVRCTRSVSIPAPAYARLVAFRARYHLVDKDHDSAEGSHVSGQSNRDPQALAKAVQIHHDQHTMYFA.

|                             |     |          |   |                                                                |  |
|-----------------------------|-----|----------|---|----------------------------------------------------------------|--|
| MO-AB-14134 Monoclo         |     | WB, ELIS |   | MO14134 Unconjugated; also available for Biotin; HRP; FI 100 µ |  |
| Sheep ( <i>Ovis aries</i> ) |     |          |   |                                                                |  |
| Y                           | nal | A        | Y | TC and other labeled form.                                     |  |

**Protein Refseq:** The length of the protein is 871 amino acids long. The sequence is show below: MKGILSFTNNSTSNLSISPGPPASLFQPPRRPGLGTGVGKPIRLANHFQVQIPKIDVYHYDVIDIKPEKRPRRVNREVVDTMVRHFKMQIFGDRQPGYDGKRNMYYTAHPLPIGRDRVDMEVTLPGEGKDQTFKVSQWVSVSVSLQLLLEALAGHLNEVPDDSVQALDVITRHLPSMRYTPVGRSFFSPPEGYYHPLGGGREVWFGFHQSVRPAMWNNMMLNIDVSATAFYRAQPIIEFMCEVLDIQNINEQTKPLTDSQRVKFTKEIRGLKVEVTHCGQMKRKYRVCNVTRRPASHQTFPLQLENGQAMECTVAQYFKQKYNLQLKYPHLPCLQVGQEQKHTYLPLEVCNIVAGQRCIKKLTNDQTSTMIKATARSAPDRQEEISRLVKSNSMVG GDPYLKEFGIVVHNEMTELTGRVLPAPMLQYGGRNKTVPATPNQGVWDMRGKQFYAGIEIKVWAVACFAPQKQCREDLLKSFTDQLRKISKDAGMPIQGQPCFCKYA

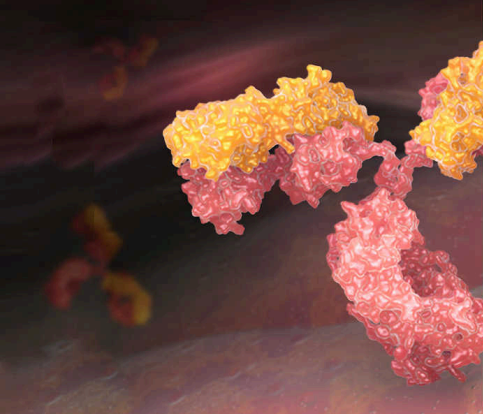
| Sub Cat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Clonal<br>ity | Species Reactivity                      | Applicat<br>ion | Clone   | Conjugate                                               | Size |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------|-----------------|---------|---------------------------------------------------------|------|
| <p>QGADSVPEPMFKHLKMTYVGLQLIVVILPGKTPVYAEVKR VGDTLGGMATQCVQVKNVVKTSPTQLSNLCLKINAKLGGINNVLVPHQRPSVFQQPVIFLGADVTHPPAGDGKKPSIAAVVGSMDGHCAT VRVQTSRQEISQELLYSQEVIQDLTNMVBRELLIQFYKSTRFKPTRIYYRGGVSEGQMKQVAWPELIAIRKACISLEEDYRPGITYIVVQ KRHHTRLFCADKTERVKGSGNVPAGTTVDSTITHPSEDFYLCSHAGIQGTSRPSHYQVLWDDNCFTADELQLLTYQLCHTYVRCTRSVS IPAPAYYARLVAFRARYHLVDKDHDSAEGSHVSGQSNRDPQALAKAVQIHHDQTHTMYFA.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                         |                 |         |                                                         |      |
| MO-AB-15605                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Monoclonal    | Chimpanzee ( <i>Pan troglodytes</i> )   | WB, ELIS        | MO15605 | Unconjugated; also available for Biotin; HRP; FI 100 µg |      |
| W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | nal           |                                         | A               | W       | TC and other labeled form.                              | g    |
| <p><b>Protein Refseq:</b> The length of the protein is 861 amino acids long.</p> <p>The sequence is show below: MEALGPGPPASLFQPPRRPGLGTVGKPIRLLANHFQVQIPKIDVYHYDVIKPEKPRRRVNREVVDTMVRHFKMQIFGDRQPGYDGKRNMYTAHPLPIGRDRVDMEVTLPGEGKDQTFKVSQVWVSVSLQLLLEALAGHLNEVPDDSVQALDVITRHLPSMRYTPVGRSFFSPPEGYHPLGGGREVWFGFHQSVPAMWNMMLNIDVSATAFYRAQPIIEFMCEVLDIQNINEQTKPLTDSQRVKFTKEIRGLKVEVTHCGQMKRKRYRVCNVTRRPASHQTFLPLENGQAMECTVAQYFKQKYSLQLKYPHLPCLQVGQEYKHTYLPLEVCNIVAGQRCIKKLTNDQTSTMIKATARSAPDRQEEISRLVKSNSMVGPDYPYLKEFGIVVHNEMTELTGRVLPAPMLQYGGRNKTVATPNQGVWDMRGKQFYAGIEIKVWAVACFAPQKQCREDLLKSFTDQLRKISKDAGMPIQGQPCFKYAQGADSVPEPMFKHLKMTYVGLQLIVVILPGKTPVYAEVKRVGDTLGGMATQCVQ VKNVVKTSPTQLSNLCLKINAKLGGINNVLVPHQRPSVFQQPVIFLGADVTHPPAGDGKKPSIAAVVGSMDGHPSRYCATVRVQTSRQEISQELLYSQEVIQDLTNMVBRELLIQFYKSTRFKPTRIYYRGGVSEGQMKQVAWPELIAIRKACISLEEDYRPGITYIVVQKRHHTRLFCA DKTERVKGSGNVPAGTTVDSTITHPSEDFYLCSHAGIQGTSRPSHYQVLWDDNCFTADELQLLTYQLCHTYVRCTRSVSIPAPAYYARL VAFRARYHLVDKDHDSAEGSHVSQGSNGRDPQALAKAVQIHHDQTHTMYFA.</p> |               |                                         |                 |         |                                                         |      |
| MO-AB-34347                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Monoclonal    | Ferret ( <i>Mustela Putorius Furo</i> ) | WB, ELIS        | MO34347 | Unconjugated; also available for Biotin; HRP; FI 100 µg |      |
| W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | nal           |                                         | A               | W       | TC and other labeled form.                              | g    |
| <p><b>Protein Refseq:</b> The length of the protein is 794 amino acids long.</p> <p>The sequence is show below: MVRHFKMQIFGDRQPGYDGKRNMYTAHPLPIGRDRVDMEVTLPGEGKDQTFKVSQVWVSVSLQLLLEALAGHLNEVPDDSVQALDVITR HLPSMRYTPVGRSFFSPPEGYHPLGGGREVWFGFHQSVPAMWNMMLNIDVSATAFYRAQPIIEFMCEVLDIQNINEQTKPLTDSQRVK FTKEIRGLKVEVTHCGQMKRKRYRVCNVTRRPASHQTFLPLENGQAMECTVAQYFKQKYSLQLKYPHLPCLQVGQEYKHTYLPLEVCNIV AGQRCIKKLTNDQTSTMIKATARSAPDRQEEISRLVKSNSMVGPDYPYLKEFGIVVHNEMTELTGRVLPAPMLQYGGRNKTVATPNQGVW DMRGKQFYAGIEIKVWAVACFAPQKQCREDLLKSFTDQLRKISKDAGMPIQGQPCFKYAQGADSVPEPMFKHLKMTYVGLQLIVVILPGKTPVYAEVKRVGDTLGGMATQCVQVKNVVKTSPTQLSNLCLKINAKLGGINNVLVPHQRPSVFQQPVIFLGADVTHPPAGDGKKPSIAAVV GSMDGHPSRYCATVRVQTSRQEISQELLYSQEVIQDLTNMVBRELLIQFYKSTRFKPTRIYYRGGVSEGQMKQVAWPELIAIRKACISLE EDYRPGITYIVVQKRHHTRLFCADKTERVKGSGNVPAGTTVDSTITHPSEDFYLCSHAGIQGTSRPSHYQVLWDDNCFTADELQLLTYQ LCHTYVRCTRSVSIPAPAYYARLVAFRARYHLVDKDHDSAEGSHVSGQSNRDPQALAKAVQIHHDQTHTMYFA.</p>                                                                |               |                                         |                 |         |                                                         |      |

| Sub Cat     | Clonal<br>ity  | Species Reactivity              | Applicat<br>ion | Clone   | Conjugate                                        | Size   |
|-------------|----------------|---------------------------------|-----------------|---------|--------------------------------------------------|--------|
| MO-AB-43608 | Monoclo<br>nal | Horse ( <i>Equus caballus</i> ) | WB, ELIS        | MO43608 | Unconjugated; also available for Biotin; HRP; FI | 100 µg |
| W           |                |                                 | A               | W       | TC and other labeled form.                       | g      |

**Protein Refseq:** The length of the protein is 842 amino acids long.

The sequence is show below: LFQPPRRPGLGTVGKPIRLLANHFQVQIPKIDVYHYDVIDIKPEKRPRRVNREVVDTMVRHFQKMQIFGDRQPGYDG  
 KRNMYTAHPLPIGRD RVDMEVTLPGEKQDQTFKVSQWVSVVSLQLLLEALAGHLNEVPDDSVQALDVITRHLPSMRYTPVGRSFFSPPEGYYH  
 PLGGGREVWFG FHQSVRPAMWNMMLNIDVSATAFYRAQPIIEFMCEVLDIQNINEQTKPLTDSQRVKFTKEIRGLKVEVTHCGQMKRKYRVCNV  
 TRRPASH QTFPLQLENGQAMECTVAQYFKQKYSLLKYPHLPCLQVGQEQKHLYLPLEVCNIVAGQRCIKKLTNDQTSTMIKATARSAPDRQEEI  
 SR LSNSMVGGPDYPYLKEFGIVVHNEMTELTGRVLPAPMLQYGGRNKTVPATPNQGVWDMRGKQFYAGIEIKVWAVACFAPQKQCREDLLKSFT D  
 QLRKISKDAGMPIQGGPCFCKYAQGADSVPEPMFKHLKMTYVGLQLIVVILPGKTPVYAEVKRVGDTLLGMATQCVQVKNVVKTSPTLS NLCLKI  
 NAKLGGINNVLVPHQRPSVFQQPVIPLGADVTHPPAGDGKKPSIAAVGSGMDGHPSRYCATVRELLYSQEVIQDLTNMVBRELLI QFYKSTRFKPTR  
 IYYRGGVSEGQMKQVAWPELIAIRKACISLEEDYRPGITYIVVQKRHHTRLFCADKTERHGLPSSAMSTPGIRTAT YPIRHDSTISSHQFFSGTSR  
 PSHYQVLWDDNCFADDELQLLTYQLCHTYVRCTRSVSIPAPAYYARLVAFRARYHLVDKDHDRQVSHAEG SHVSGQSNRDPQALAKAVQIHHD  
 TQHTMYFA.

|            |                |                                                                                             |            |              |        |
|------------|----------------|---------------------------------------------------------------------------------------------|------------|--------------|--------|
| MOFAB-660W | Monoclo<br>nal | Arabidopsis                                                                                 | WB, IHC    | Unconjugated | 100 µg |
| MO-DKB-002 | Polyclon       | A. thaliana ( <i>Arabidopsis thaliana</i> ); H. orientalis ( <i>Hyacinthus orientalis</i> ) | ICC, IP, W | Unconjugated | 50 µg  |
| 8RA        | al             |                                                                                             | B          |              |        |
| MO-DKB-016 | Polyclon       | A. thaliana ( <i>Arabidopsis thaliana</i> )                                                 | WB         | Unconjugated | 100 µg |
| 97W        | al             |                                                                                             |            |              | 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.