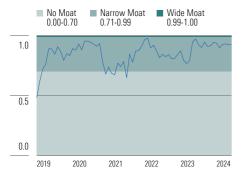
# AB Biotics ABB ★★★ ♀ 3 May 2024, 22:47 UTC

arrow	<b>Uncertainty</b> ∝ Very High	<b>Price/Fair Value</b> ° 1.1	ESG Risk Rating Assessment <sup>1</sup>	Trailing Dividend Yield % —	<b>Market Cap</b> 62.5449 Mil	<b>Investment Style</b> Small Growth	<b>Sector</b> Healthcare	<b>Industry</b> Biotechnology	
200 150								Last Close	
100								5.00	
50								Fair Value <sup>Q</sup> 4.75	
Л	annon		the state					Overvalued	
								Fairly Valued	
0.5								Fairly Valued	
0.5		2015 2016	2017 2018	2019 2020	2021	2022 2023		Undervalued Performance	
0.5	0.60 0	<b>2015 2016</b> 0.89 0.95 1.86 -19.19	<b>2017 2018</b> 1.00 0.83 -1.25 96.20	<b>2019 2020</b> 1.11 1.07 61.29 0.00	<b>2021</b> 0.93 0.00	<b>2022</b> 2023 0.86 1.09 0.00 0.00	1.05	Undervalued	

'The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. Lee Davidson, Chief Analytics Officer for Morningstar, Inc, oversees the methodology that supports Quantitative Fair Value Estimates and Quantitative Star Ratings. Mr. Davidson is guided by the Morningstar, Inc. Code of Ethics in carrying out his responsibilities. For information regarding Conflicts of Interests, visit http://global.morningstar.com/equitydisclosures.

Key Metrics as of 2 Ma	y 2024								
Metrics	Percentile in Sector								
Earnings Yield (%)	3.8	82.0							
Sales Yield (%)	21.6	46.0							
Book Value Yield (%)	12.6	24.0							
Return on Assets (%)*	3.4	73.0							
Revenue(Mil)*	173.2	64.0							
Market Value (Mil)	209.6	52.0							
Enterprise Value (Mil)	260.0	56.0							
EVMV Ratio	1.2	78.0							
Volatility TTM (%)	0.0	2.0	1						
Drawdown TTM (%)	0.0	2.0	Ť.						
Volume	0.0	1.0	1						
*2 May 2024			0%	25	50	75	100		





#### **Business Description**

AB Biotics is a biotech company that focuses on the research and development of a vast generation of natural probiotic strains formulated not only to meet therapeutic needs but also to maintain human health.

### Valuation <sup>Q</sup>as of 3 May 2024

AB Biotics achieves a 3-star quantitative star rating based on Morningstar's equity model. This reflects the company's valuation and uncertainty scores under this assessment system.

The Quantitative Fair Value estimate is 4.66, below the previous closing price of 5.00. The stock has been trading between a 19.74% discount and 16.01% premium to its quantitative fair value over the past year. The stock's current valuation rating sits at the 95th percentile in the coverage universe and 95th percentile in the healthcare sector (higher percentile indicates more undervalued).

The quantitative uncertainty rating for AB Biotics is Very High.

Our quantitative star rating remains unchanged over the past year; the uncertainty rating last differed on 02/21/2024, when it was Extreme.

The main drivers of the company's valuation and uncertainty are its book value yield and earnings yield. The book value yield of 12.59% falls at the 14th percentile in the equity universe and the 24th percentile in its sector. The earnings yield of 3.79% corresponds to the 57th percentile overall and the 82nd percentile in the industry.

## Economic Moat <sup>Q</sup>as of 3 May 2024

Quantitatively, we believe AB Biotics has a Narrow economic moat. Its moat score of 0.95 corresponds to the 90th percentile in the healthcare sector. Furthermore, this rating has not changed over the past year, while the company's moat score is near its maximum in this period.

The company also maintains a quantitative financial health rating of Strong. Its score sits at the 79th percentile overall and the 86th percentile in the sector.

Examining the company's financials and market statistics, we find these ratings are principally driven by its book value yield and annualized trailing 12-month volatility. The book value yield is 12.59%, sitting at the 24th percentile in the healthcare sector. The company's annualized trailing 12-month volatility is 0.00%, corresponding to below the 5th percentile in both the equity coverage universe and sector.

### Fundamentals as of 3 May 2024

The data is not available to drive this analysis

### Contact

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https://www.ab-biotics.com





## AB Biotics ABB ★★★ ♀ 3 May 2024, 22:47 UTC

<b>Economic Moat</b> <sup>♀</sup> Narrow		Uncertainty °Price/Fair Value °ESGVery High1.1		ESG Risk	Risk Rating Assessment <sup>1</sup> Trailing Dividend Yield <b>% Market Cap</b> — 62.5449 Mil		-	Investment Style Sector Small Growth Healthcau		<b>Industry</b> e Biotechnology	
<b>Earnings</b> as of 2 N	1ay 202	4				Dividends as of 3	May 2024		<b>Valuation</b> <sup>©</sup> a	s of 3 May 2024	
Earnings	%	Pe	rcentile in Sec	ctor		- Stock	Price - Payout	Ratio			
Dividend Yield* Payout Ratio*	_	_	-			20		4.00%		.ast Close	ABB is trading withi a range we consider fairly valued
Price to Earnings Price to Cash Flow		_	_							5.00 Fair Value <sup>Q</sup>	Economic Moat <sup>Q</sup> Controw Financial Health <sup>Q</sup>
ROIC**	_	_	-			10		2.00		4.75 Jncertainty <sup>©</sup> : /ery High	Moderate 1-Star Price <sup>©</sup> > 9.22
* **2 May 2024			0% 25	50 75	100	5		1.00			5-Star Price $^{\circ}$ < 2.45
						0 15 16	17 18 19 20 21	0.00 22 23 24	<u> </u>		

inancials	as of 3 M	ay 2024 (	Fiscal Yea	r End 31	Dec 2023)							
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD	Fiscal	
1.63	3.45	3.96	7.21	11.89	_	_	_	_	_	5.98	Revenue (Mil)	
-1,732	-1,337	-1,894	-658	871	_	-	-	-	-	550	Operating Income (K)	
-106	-38.74	-47.83	-9.13	7.33	—	—	—	—	_	9.2	Operating Margin (%)	
-1,535	-1,238	-5,989	-895	1,218	—	—	—	—	_	772	Net Income (K)	
-0.17	-0.14	-0.50	-0.07	0.10	-	-	-	-	-	0.06	Diluted Earnings/Share	
-1,349	116	-1,576	306	964	_	-	-	-	-	1,065	Operating Cash Flow (K)	
-933	-1,242	-1,758	-689	-1,250	—	—	—	—	_	-652	Capital Spending (K)	
-2,282	-1,126	-3,334	-383	-286	_	-	-	_	-	413	Free Cash Flow (K)	
9.16	9.04	12.03	11.99	12.46	_	_	_	_	_	12.51	Avg Shares Outstand(Mil)	
aluation a	as of 3 Ma	ay 2024										
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar	
0.60	0.89	0.95	1.00	0.83	1.11	1.07	0.93	0.86	1.09	1.05	Price/Fair Value 🍳	
11.03	8.23	3.47	3.54	4.72	4.64	_	_	_	_	4.64	Price/Sales	
_	_	—	_	-	26.36	—	—	—	—	26.36	Price/Earnings	
_	_			13.47	152.04					152.94	Price/Cash Flow	
		_	_	13.47	152.94	_	-	_	-	152.94	FIICE/Gasii FIUW	
1.78	2.44	7.76	3.98	7.11	7.94	_	_	_	_	7.94	Price/Book	
-				7.11		 	_	_	_			
-				7.11	7.94	 023) <b>2020</b>	2021					
perating	Performai	nce as of	— (Fiscal	7.11 Year End	7.94 d 31 Dec 20		 2021 	 2022 	 2023	7.94	Price/Book	

Di	Dividends as of —													
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)		
	_	_	_	_	_	_	_	_	_	-	_	Dividend Per Share		
	_	_	_	_	_	_	_	_	_	_	_	Trailing Dividend Yield		
	_	3.22	1.29	_	_	0.03	_	-	_	_	0.03	Buyback Yield		

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-12.92 -11.58 -73.9 -11.55

20.4



Rtn on Invested Capital

7.51

# Appendix

Economic Moat <sup>Q</sup> History as of 3 May 2024 (No Moat: 0.00-0.70, Narrow Moat: 0.70-0.99, Wide Moat: 0.99-1.00)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2024	0.94	0.90	0.93	0.93	0.92	_	_	_	_	_	_	_
2023	0.87	0.79	0.77	0.79	0.95	0.97	0.92	0.90	0.95	0.91	0.92	0.94
2022	0.97	0.98	0.90	0.92	0.87	0.82	0.84	0.82	0.84	0.81	0.81	0.84
2021	0.74	0.69	0.67	0.77	0.74	0.78	0.65	0.84	0.78	0.87	0.87	0.91
2020	0.89	0.88	0.93	0.88	0.95	0.95	0.94	0.93	0.91	0.93	0.78	0.68
2019	0.48	0.62	0.72	0.76	0.89	0.89	0.85	0.91	0.87	0.80	0.85	0.83

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## **Quantitative Equity Ratings**

Morningstar's quantitative equity ratings consist of: (i) Quantitative Fair Value Estimate, (ii) Quantitative Star Rating, (iii) Quantitative Uncertainty, (iv) Quantitative Economic Moat, and (v) Quantitative Financial Health (collectively the "Quantitative Ratings).

The Quantitative Ratings are calculated daily and derived from the analystdriven ratings of a company's peers as determined by statistical algorithms. Morningstar, Inc. ("Morningstar", "we", "our") calculates Quantitative Ratings for companies whether or not it already provides analyst ratings and qualitative coverage. In some cases, the Quantitative Ratings may differ from the analyst ratings because a company's analyst-driven ratings can significantly differ from other companies in its peer group.

i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to http://global.morningstar.com/ equitydisclosures for information about Fair Value Estimate Morningstar's equity analysts assign to companies.

ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.

**Narrow** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.

**Wide** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.

**None** – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.

iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.

- ★ the stock is overvalued with a reasonable margin of safety. Log (Quant FVE/Price) < -1\*Quantitative Uncertainty Micro-Caps: Log (Quant FVE/Price) < -1.5\*Quantitative Uncertainty</p>
- ★★ the stock is somewhat overvalued.

Log (Quant FVE/Price) between (-1\*Quantitative Uncertainty, -0.5\*Quantitative Uncertainty)

Micro-Caps: Log (Quant FVE/Price) between (-1.5\*Quantitative Uncertainty, - 0.75\*Quantitative Uncertainty)

 $\star \star \star$  – the stock is approximately fairly valued.

Log (Quant FVE/Price) between (-0.5\*Quantitative Uncertainty, 0.5\*Quantitative Uncertainty)

Micro-Caps: Log (Quant FVE/Price) between (-0.75\*Quantitative Uncertainty, 0.75\*Quantitative Uncertainty)

 $\star \star \star \star$  – the stock is somewhat undervalued.

Log (Quant FVE/Price) between (0.5\*Quantitative Uncertainty, 1\*Quantitative

Uncertainty)

Micro-Caps: Log (Quant FVE/Price) between (0.75\*Quantitative Uncertainty, 1.5\*Quantitative Uncertainty)

★★★★★ - the stock is undervalued with a reasonable margin of safety. Log (Quant FVE/Price) > 1\*Quantitative Uncertainty Micro-Caps: Log (Quant FVE/Price) > 1.5\*Quantitative Uncertainty

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

Low – the interquartile range for possible fair values is less than 10% Medium – the interquartile range for possible fair values is less than 15% but greater than 10%

High – the interquartile range for possible fair values is less than 35% but greater than 15%

 $Very\ High\ -$  the interquartile range for possible fair values is less than 80% but greater than 35%

 $\ensuremath{\textit{Extreme}}\xspace -$  the interquartile range for possible fair values is greater than 80%

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**Undervalued – Last Price** is below Morningstar's quantitative fair value estimate.

Farily Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Farily Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

**Overvalued – Last Price** is above Morningstar's quantitative fair value estimate.

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Sustainalytics analyzes over 1,300 data points to assess a company's exposure to and management of ESG risks. In other words, ESG Risk Ratings measures a company's unmanaged ESG Risks represented as a quantitative score. Unmanaged Risk is measured on an open-ended scale starting at zero (no risk) with lower scores representing less unmanaged risk and, for 95% of cases, the unmanaged ESG Risk score is below 50.

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of unmanaged ESG risk across all subindustries covered.

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