

Antibody Project Portfolio

University of Abcam

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Table of Contents

I.	Project overview	1
	Objective	
	Summary of customer request	
	Summary of Abcam deliverables	
II.	Antibody Recommendations.....	2
	Antibody recommendations	
	Supporting data (see supplemental spreadsheet)	
	Abtrial recommendations and/or undeliverables (if any)	
III.	Appendix.....	3
	Your personal Abcam service team	
	Advantages of RabMAb technology	
	Abcam Custom Services	
	Abpromise guarantee	
	Abtrial program	

I. Project overview

Objective

Provide Prof. J. Milner, “Customer”, with at least one, but up to three of the most optimal antibodies for each of the targets requested, taking into consideration all noted experimental conditions below.

Summary of customer request

We would like monoclonal antibodies to the following targets, all available for use in ELISA.

1. Interleukin 1	16. CD34
2. Interleukin 2	17. CD31
3. Interleukin 3	18. CD117
4. Interleukin 4	19. CD45
5. Interleukin 5	20. CD11b
6. Interleukin 6	21. CD15
7. Interleukin 7	22. CD24
8. Interleukin 8	23. CD114
9. Interleukin 8	24. CD 182
10. Interleukin 10	25. CD14
11. Interleukin 11	26. CD19
12. Interleukin 12	27. CD11a
13. Interleukin 13	28. CD16
14. Interleukin 15	29. CD3
15. Interleukin 17	30. CD4

Summary of Abcam deliverables

- **Number of targets requested:** 30
- **Exact matches:** 30/30
- Partial matches only: 0
- Total antibodies included in portfolio: 60
- Experimental requirements: Monoclonal, ELISA

II. Antibody recommendations

Attention: Please see supplemental spreadsheet for complete data, specialist comments, datasheet links, and list of literature references for all recommendations. Recommendation overview below:

Target	Rec #1	Description	Applications:	Host	Clonality	Rec #2
IL1	ab1	Anti-IL1 (Interleukin IL1) antibody	ELISA, WB, IHC	Rabbit	Mono	ab33
IL2	ab2	Anti-IL2 (Interleukin IL2) antibody	ELISA, WB, IHC	Rabbit	Mono	ab34
IL3	ab3	Anti-IL3 (Interleukin IL3) antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab35
IL4	ab4	Anti-IL4 (Interleukin IL4) antibody	ELISA, WB, IHC	Rabbit	Mono	ab36
IL5	ab5	Anti-IL5 (Interleukin IL5) antibody	ELISA, WB, IHC	Rabbit	Mono	ab37
IL6	ab6	Anti-IL6 (Interleukin IL6) antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab38
IL7	ab7	Anti-IL7 (Interleukin IL7) antibody	ELISA, WB, IHC	Rabbit	Mono	ab39
IL8	ab8	Anti-IL8 (Interleukin IL8) antibody	ELISA, WB, IHC	Rabbit	Mono	ab40
IL9	ab9	Anti-IL9 (Interleukin IL9) antibody	ELISA, WB, IHC	Rabbit	Mono	ab41
IL10	ab10	Anti-IL10 (Interleukin IL10) antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab42
IL11	ab11	Anti-IL11 (Interleukin IL11) antibody	ELISA, WB, IHC	Rabbit	Mono	ab43
IL12	ab12	Anti-IL12 (Interleukin IL12) antibody	ELISA, WB, IHC	Rabbit	Mono	ab44
IL13	ab13	Anti-IL13 (Interleukin IL13) antibody	ELISA, WB, IHC	Rabbit	Mono	ab45
IL14	ab14	Anti-IL14 (Interleukin IL14) antibody	ELISA, WB, IHC	Rabbit	Mono	ab46
IL15	ab15	Anti-IL15 (Interleukin IL15) antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab47
IL16	ab16	Anti-IL16 (Interleukin IL16) antibody	ELISA, WB, IHC	Rabbit	Mono	ab48
IL17	ab17	Anti-IL17 (Interleukin IL17) antibody	ELISA, WB, IHC	Rabbit	Mono	ab49
CD34	ab18	Anti-CD34 antibody	ELISA, WB, IHC	Rabbit	Mono	ab50
CD31	ab19	Anti-CD31 antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab51
CD117	ab20	Anti-CD117 antibody	ELISA, WB, IHC	Rabbit	Mono	ab52
CD45	ab21	Anti-CD45 antibody	ELISA, WB, IHC	Rabbit	Mono	ab53
CD11b	ab22	Anti-CD11b antibody	ELISA, WB, IHC	Rabbit	Mono	ab54
CD15	ab23	Anti-CD15 antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab55
CD24	ab24	Anti-CD24 antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab56
CD114	ab25	Anti-CD114 antibody	ELISA, WB, IHC, Flow	Rabbit	Mono	ab57
CD182	ab26	Anti-CD182 antibody	ELISA, WB, IHC	Rabbit	Mono	ab58
CD14	ab27	Anti-CD14 antibody	ELISA, WB, IHC	Rabbit	Mono	ab59
CD19	ab28	Anti-CD19 antibody	ELISA, WB, IHC	Rabbit	Mono	ab60
CD11a	ab29	Anti-CD11a antibody	ELISA, WB, IHC	Rabbit	Mono	ab61
CD16	ab30	Anti-CD16 antibody	ELISA, WB, IHC	Rabbit	Mono	ab62
CD3	ab31	Anti-CD3 antibody	ELISA, WB, IHC	Rabbit	Mono	ab63
CD4	ab32	Anti-CD4 antibody	ELISA, WB, IHC	Rabbit	Mono	ab64

III. Appendix

Your personal Abcam service team

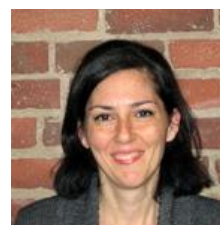
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Advantages of RabMAb[®] technology

The rabbit immune system generates antibody diversity and optimizes affinity by mechanisms different from those of mice and other rodents. RabMAb technology produces reagents that combine the superior antigen recognition of a rabbit antibody with the specificity and consistency of a monoclonal. Two major advantages that set these apart from traditional mouse and rabbit antibodies are:

High affinity: On average, rabbit monoclonal antibodies have 10-100x higher affinity than mouse monoclonals, with K_D values often in the picomolar (10^{-12} M) range.

High specificity: Immunization of rabbits results in a highly diverse suite of B-lymphocytes and an abundance of splenocytes. The breadth of available cells means a greater chance of finding antibodies that distinguish between similar molecules and therefore improved specificity.

Harness the advantages of RabMAb technology to make antibodies that are:

- Capable of diverse, novel epitope recognition
- Less likely to have high background signals
- Able to differentiate between subtle structural variations
- Ideal for post-translational modification detection
- Excellent for IHC usage
- Fit for small molecule and low-abundance biomarker quantification
- Convenient for use with mouse proteins and tissues

Highlights of Abcam Custom Services

From peptide design to large-scale antibody production, Abcam Custom Services offers patented RabMAb development technology, plus:

- High-quality custom antibodies tailored to customer's needs
- Dedicated PhD-level project management throughout entire project scope
- Opportunity for customer to perform sample testing at various stages
- Experience gained from working with 550+ institutions and 150+ pharma and biotech companies to generate over 3,000 custom antibodies
- Collaborations with the National Cancer Institute, the Michael J. Fox Foundation, and the Human Protein Atlas

Abpromise[®] guarantee

We promise guaranteed product quality and expert customer service. Our Abpromise guarantee states the following:

- Replacements or refunds for products not performing as stated on the datasheet
- Validation for 12 months from date of delivery**
- A response to your inquiry within 24 hours
- Support in Chinese, English, French, German, Japanese and Spanish
- Multi-media technical resources
- An investigation into all quality concerns to ensure our products perform to the highest standards

Abpromise terms and conditions:

1. Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
2. **Regional variations to our Abpromise may apply to the following countries: China, Korea, Singapore, Malaysia, Taiwan and Thailand, which operate a 120 day guarantee. Please contact your regional office for further details
3. Antibodies tested only in recombinant samples are not covered for use on endogenous samples. Please check the datasheet for information on tested species
4. "Predicted to react" information on datasheets is based on sequence homology and provided for reference only
5. "Predicted to react" species are not guaranteed, as they have not been tested
6. Fast Track products are not covered under the Abpromise. Please see Fast Track terms and conditions for additional information
7. Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team

Abtrial program

You can now use our products in an untested application or species without financial risk. If you send us your results, positive or negative, of how the product performed, we'll send you a discount code for the full amount of the product tested. Simply follow these easy steps below to apply for our Abtrial Program:

Frequently asked questions

Q. If the product doesn't work in my experiment, do I still get the discount?

Of course! All data is useful to us and fellow Abcam customers

Q. How long do I have to use the discount?

6 months

Q. Do I need to spend the entire discount code at once?

Yes, unfortunately we cannot carry balances on discount codes at this time