



Resource Pack

Validation databases

<https://onlygoodantibodies.co.uk/>

<https://ycharos.com/data/>

<https://f1000research.com/ycharos>

<https://zenodo.org/communities/ycharos/records?q=&l=list&p=1&s=10&sort=newest>

<https://www.labome.com/index.html>

<https://app.benchsci.com/selector>

<https://www.citeab.com/>

<https://www.hcdm.org/index.php/molecule-information?view=molecule&task=viewmolecule&moleculeid=377&search=>

Accessible user guides

[Antibodies 101: Validation](#), By Ashley Waldron from Addgene – provides an excellent overview of the 5 pillars of antibody validation and how they might be applied to your experiments.

[CiteAb introductory guides: antibody validation strategies](#) By Skye Longworth from CiteAb – another excellent accessible overview

<https://blog.addgene.org/antibody-validation-for-flow-cytometry> Our guide for flow antibody validation

Recommended literature

5 pillars of antibody validation:

Uhlen, M., Bandrowski, A., Carr, S., Edwards, A., Ellenberg, J., Lundberg, E., Rimm, D.L., Rodriguez, H., Hiltke, T., Snyder, M. and Yamamoto, T. (2016). A proposal for validation of antibodies. *Nature Methods*, 13(10), pp.823–827. <https://doi.org/10.1038/nmeth.3995>

YCharOS findings:

Ayoubi R, Ryan J, Biddle MS, Alshafie W, Fotouhi M, Bolivar SG, Moleon VR, Eckmann P, Worrall D, McDowell I, Southern K. Scaling of an antibody validation procedure enables quantification of antibody performance in major research applications. *Elife*. 2023 Nov 23;12:RP91645. <https://doi.org/10.7554/eLife.91645.2>

YCharOS data user guide:

Biddle MS, Virk HS. YCharOS open antibody characterisation data: Lessons learned and progress made. *F1000Research*. 2023;12. <https://doi.org/10.12688/f1000research.141719.1>



Only Good Antibodies

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YCharOS Protocols:

Ayoubi, R., et al., 2024. "A consensus platform for antibody characterization." *Nature Protocols*. <https://doi.org/10.1038/s41596-024-01095-8>

Documentary

Produced by Mike Okimoto from Biocompare, this documentary outlines the issue of antibody validation and research reproducibility

<https://www.biocompare.com/Reproducibility/Antibody-Validation-Challenges/>

Web resources

Reproducibility webinar from OGA/YCharOS/RRID - <https://www.youtube.com/watch?v=piBvblrINs0>

Antibody Society webinar series (9 in total) -

<https://www.antibodysociety.org/learningcenter/antibody-validation-webinar-series/>

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