

Frequent Questions for Catalog Antibodies

- 1. Why is the band size of WB in the manual different from that reported in the literature?**
For the WB test, the samples validated include recombinant proteins and natural samples. When the sample is a recombinant fragment of the target protein, its molecular weight differs from the natural protein. Thus the band size of the WB image in the manual is different from that reported in the literature. However, this does not affect the antibody's ability to recognize the natural sample. Therefore, when using natural samples for WB experiments, the band size will be similar to that reported in the literature.
- 2. Have you ever determined monoclonal antibody binding sites by epitope mapping?**
If the immunogen is a peptide, the epitope can be easily determined. However, if the immunogen is a protein, it is very difficult to determine the binding site of the antibody since the protein antigen contains more than one epitope.
- 3. Has an antibody ever been used for an application that is not listed on the datasheet?**
We have only verified the applications in the manual. If a specific application is not listed on the datasheet, it may mean that this product has not been tested in this application. We will gladly provide rewards if customers can expand the applications and share data with us.
- 4. Can Biomatik provide labeled antibodies?**
We can provide various labeled antibodies. Some of the labels include but are not limited to: Biotin, FITC, HRP, APC-Cy7, PE, APC, and Cy3.
- 5. How to choose the secondary antibody?**
Secondary antibodies are directed against the species of the primary antibody. Therefore, you will need a secondary antibody that is raised in a species different from the host species of the primary antibody. For example, if your primary antibody is raised in a rabbit, you will need an anti-rabbit secondary antibody raised in a host species other than rabbit (e.g., goat, mouse, etc.).
- 6. Do recombinant antibodies converted from monoclonals perform identically to the original monoclonal?**
There may be a slight variation due to the production of the monoclonal antibody in a different system, but the two antibodies generally have similar applications and performance specifications.
- 7. How does Biomatik ensure the quality of their antibodies?**
Our antibodies have been selected for their ability to recognize target analytes in immunohistochemical staining, western blotting, and other tests. If you are interested in a particular application not listed in the manual, please contact our technical support for further information.
- 8. When there are multiple antibody choices, which will work optimally for my application?**
In general, we offer more than one antibody against a target. To choose the antibody that will perform the best in your desired application, you can refer to the validated application for reference. If you need further support, please contact our technical support for assistance in selecting the optimal antibody for your application.
- 9. Can I request a custom formulation of your antibodies?**
Yes, we can offer custom formulations, such as glycerol-free or preservative-free.

10. Could Biomatik develop a custom antibody for me?

Yes, Biomatik has been offering custom antibody services since 2009, with either peptide or protein antigen. We can produce peptide or protein antigen for you, or you can provide protein antigen to us.