

Antibody complexes and methods for immunolabeling

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Abstract

The present invention provides novel immunolabeling complexes and certain components of such complexes, as well as methods of preparing and using Such complexes, and kits for use in preparing labeling proteins and for immunolabeling. The pre-formed immunolabeling complexes of the invention comprise both a target-binding antibody and a labeling protein that contains covalently attached labels, where the labeling protein binds selectively and with high affinity to a selected region of the target-binding antibody. Novel labeling proteins of the invention include non-antibody peptides and proteins, such as a complex of protein G and a labeled albumin, and monovalent antibody fragments, such as labeled Fab fragments of an anti-Fc antibody. In methods of the invention, the preformed immunolabeling complexes are added to the sample alone or in combination, for purposes of labeling and optionally detecting the target of interest.

References

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