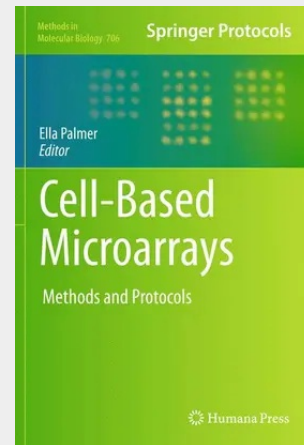


Cell-Based Microarrays

Methods and Protocols

As a high throughput method for analyzing gene function, cell-based microarrays have proven to be of vital importance, allowing high throughput analysis of over expression and knock down of proteins. In Cell-Based Microarrays: Methods and Protocols, experts in the field provide an up to date synopsis of cell-based microarrays and meticulous coverage of all aspects of the array, including emerging technology. Beginning with a detailed overview of the whole subject area, the volume continues with protocols for over-expression arrays and downstream functional assays, infectious disease research, increasing transfection efficiencies, as well as the development of cell-based array technology by use of microfluidic image cytometry for the analysis of small diagnostic samples with few cells. Written in the highly successful Methods in Molecular Biology™ series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and notes on troubleshooting and avoiding known pitfalls. Comprehensive and cutting-edge, Cell-Based Microarrays: Methods and Protocols serves as a key resource for molecular biologists, geneticists, immunologists, and chemists, and supplies scientists with access to set up a technology that is truly high throughput for the functional analysis of proteins.

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