Neural Surface Antigens

Description: Neural Surface Antigens: From Basic Biology towards Biomedical Applications focuses on the functional role of surface molecules in neural development, stem cell research, and translational biomedical paradigms. With an emphasis on human and rodent model systems, this reference covers fundamentals of neural stem cell biology and flow cytometric methodology. Addressing cell biologists as well as clinicians working in the neurosciences, the book was conceived by an international panel of experts to cover a vast array of particular surface antigen families and subtypes. It provides insight into the basic biology and functional mechanisms of neural cell surface signaling molecules influencing mammalian development, regeneration, and treatments.

- Introduces early phase clinical trials of neural stem cells
- Outlines characterization of surface molecule expression and methods for isolation which open unprecedented opportunities for functional study, quantitation & diagnostics
- Highlights the role of stem cells in neural surface antigen and biomarker analysis and applications

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