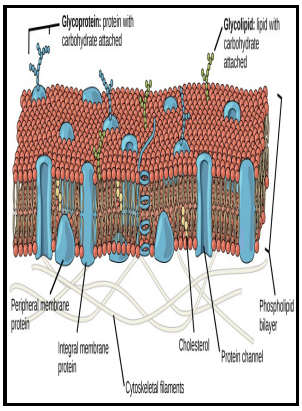
Cell surface carbohydrates and cell development

CRC Press - Alterations of cell



Description: -
-
Cells -- physiology
Cell Differentiation
Carbohydrates -- metabolism
Cells -- Growth -- Regulation
Cell interaction
Glycoproteins
Cell surface antigens
CarbohydratesCell surface carbohydrates and cell development
-Cell surface carbohydrates and cell development
Notes: Includes bibliographical references and index.
This edition was published in 1992

Tags: #On #the #Role #of #Cell #Surface #Carbohydrates #and #their #Binding #Proteins #(lectins) #in #Tumor #Metastasis

Cell surface carbohydrates and lectins in early development

The alteration of these glycan structures, besides altering the establishment of symbiosis with compatible symbionts, might also allow C. Journal of Cereal Science 2009, 50 3 , 306-311. Calcofluor-stained algae were visualised with a Nikon A1R confocal laser scanning microscope with a 405-nm laser to detect stained cellulose and a 409-nm laser to detect chlorophyll autofluorescence from dinoflagellate cells.

Alterations of cell

Twenty-five algal cells were randomly selected from each image, and hence 300 cells were analysed for each sample of a Symbiodiniaceae species incubated with each lectin.

Cell Surface Carbohydrate Changes During Embryonic and Fetal Skin Development

These data demonstrate that the carbohydrate structure sialyl Lewis × is developmentally regulated during chicken B cell development and may facilitate the migration of B cell progenitors to the bursal microenvironment by serving as a ligand for a lectin-like adhesion receptor. A high degree of concordance between the results obtained from HPAEC-PAD, confocal and lectin array analyses emphasizes the utility of using multiple assays to explore the glycomes.

Development of cell surface saccharides on embryonic pancreatic cells

Sequential dissociation of the exocrine pancreas into lobules, acini, and individual cells. Symbiodiniaceae algae are often photosymbionts of reef-building corals. Recently, transfection of genes encoding various glysosyltransferases gene in sense and antisense orientation helped to bring direct evidence that changes in cell surface carbohydrates are important for the metastatic behavior of tumor cells.

Alterations of cell

Journal of Proteome Research 2010, 9 5 , 2565-2572.

Role of Cell Surface Carbohydrates in Development and Disease

Humphries MJ, Matsumoto K, White SL, Olden K: Oligosaccharide modification by swainsonine treatment inhibits pulmonary colonization by B16—F10 murine melanoma cells.

On the Role of Cell Surface Carbohydrates and their Binding Proteins (lectins) in Tumor Metastasis

In this context, we have to face the fact that the processes of development and differentiation are highly complex yet miraculously ordered sequences of reactions. Opdenakker G, Rudd PM, Ponting CP, Dwek RA: Concepts and principles of glycobiology. Lotan R, Lotan D, Carralero DM: Modulation of galactoside-binding lectins in tumor cells by differentiation-inducing agents.

Immunofluorescent localization of a monoclonally defined carbohydrate cell surface antigen (IIC3) during mouse development

Hakomori S: Aberrant glycosylation in tumors and tumorassociated carbohydrate antigens. In particular, the incompatible F.

Related Books

- Matera sassi e secoli
- Its a struggle on the farms! - a history of organising farmworkers in the Western Cape.
- ASIC handbook
- Magpie Mine, Sheldon, near Bakewell - a chronology
- Law and economic policy in America - the evolution of the Sherman antitrust act.