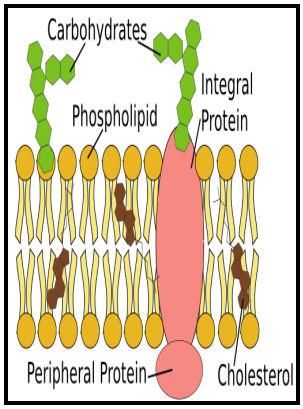
Cell surface carbohydrates and cell development

CRC Press - Cell Surface Glycoproteins and Carbohydrate Antigens in Development and Differentiation of Human Erythroid Cells



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: #Vaccines #based #on #the #cell #surface #carbohydrates #of #pathogenic #bacteria

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

Journal of Biomaterials Science, Polymer Edition 2016, 27 3 , 218-234. Development 1 June 1995; 121 6 : 1657—1667. R: a language and environment for statistical computing.

Cell Surface Carbohydrate Changes During Embryonic and Fetal Skin Development

Galili U, Shohet SB, Kobrin E, Stults CL, Macher BA: Man, apes, and OldWorld monkeys differ from other mammals in the expression of alpha-galactosyl epitopes on nucleated cells. We then examined the monosaccharide composition of insoluble cell-wall extracts from each of the three Symbiodiniaceae species Fig.

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

To analyse the algal cell-wall monosaccharide composition, we took 300 mg of pelleted algae, and ground the cells in liquid nitrogen as described above. Roberts JD, Klein JL, Palmantier R, Dhume ST, George MD, Olden K: The role of protein glycosylation inhibitors in the prevention of metastasis and therapy of cancer. Humphries MJ, Matsumoto K, White SL, Molyneux RJ, Olden K: Augmentation of murine natural killer cell activity by swainsonine, a new antimetastatic immunomodulator.

Chicken B cells undergo discrete developmental changes in surface carbohydrate structure that appear to play a role in directing lymphocyte migration during embryogenesis

Another open question is whether the stereochemistry of a sugar is important in symbiont selection. A possible role for IIC3 in normal embryonic-uterine interactions is discussed.

Role of Cell Surface Carbohydrates in Development and Disease

Treatment of the algal cells with trypsin changed their rate of uptake, reinforcing previous conclusions that a protein-based moiety, likely a

glycoprotein, is an essential part of compatible symbiont recognition. 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. Real-time monitoring of the cell agglutination process with a quartz crystal microbalance.

Chicken B cells undergo discrete developmental changes in surface carbohydrate structure that appear to play a role in directing lymphocyte migration during embryogenesis

An ancient and variable mannose-binding lectin from the coral Acropora millepora binds both pathogens and symbionts. Baird AH, Guest JR, Willis BL.

Vaccines based on the cell surface carbohydrates of pathogenic bacteria

In: Rhodes J, Milton J ed. A switched catalysis qualified sealers capped one-step synthesis biocompatibility bimetallic scaffold film for Neu5AcÎ± 2-6 Gal Î² MP Glycoside specific detection.

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