ABSTRACT

The present invention is related with the field of immunology and human medicine, particularly with the generation and selection of a monoclonal antibody (Mab) that recognizes the N-glycolylated-galactose-glucose sialic acid olygosaccharide sequence presents in malignant tumors.

One of the objectives of this invention is to provide a Mab of the IgG1 type that has the characteristic of recognizing with high specificity N-glycolylated-galactose-glucose sialic acid olygosaccharide sequence presents in malignant tissues of breast , melanomas and tumors of the liver, stomach, colon, rectum and kidneys. It also has the capacity of producing direct cytolysis of the tumoral cells bearing the N-glycolylated-galactose-glucose sialic acid olygosaccharide sequence, thus can be used for the diagnosis and treatment of certain neoplasic diseases.

Another objective of the present invention is to provide the hybridoma producing the referred Mab as well as the pharmaceutical composition containing it, for the treatment of neoplasic diseases.



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